

Application: 26-03-017  
(U 39 M)  
Exhibit No.: (PG&E-2)  
Date: September 30, 2026  
Witness(es): Michael Burger

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**PACIFIC GAS AND ELECTRIC COMPANY**

**ENERGY EFFICIENCY 2028-2035 BUSINESS PLAN AND  
2028-2031 PORTFOLIO PLAN**

**REVISED TESTIMONY**

**EXHIBIT (PG&E-2)**

**PG&E'S PROGRAM CARDS, PURSUANT TO ENERGY DIVISION  
TEMPLATE**

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## Agricultural Programs

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| <b>Program Name: Agricultural Efficiency Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                                                                 |
| <b>Program ID: PGE_Ag_001</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                                                                 |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>TRC Companies</i>                                                                                                                                 |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Customer Group(s):</b><br><i>All Agricultural customers in PG&amp;E territory</i>                                                                                                            |
| <b>Sector Challenges:</b><br><i>Drought and climate challenges, high up-front costs, price volatility of Ag products, financing challenges, supply chain vulnerability, export challenges, policy uncertainty</i>                                                                                                                                                                                                                                                   |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in EE program and adoption of deemed measures, especially with cannabis growers</i>                                                  |
| <b>Brief Program Description:</b><br><i>AESAP supports PG&amp;E's vision for the Agricultural Segment to maximize yield while reducing energy consumption using data, technical assistance, analytics, energy efficiency measures and marketing to reduce demand, increase operational efficiency, and broaden customer participation.</i>                                                                                                                          |                                                                  |                                                                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>High population of HTR customers spread over a broad geographic region</i>                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>TRC has staff located all over the territory and has sub-contractors focused on specific geographies and customer types</i> |
| <b>Intervention Strategy:</b><br><i>Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information</i>                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                      |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$47,507,958</i>                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$8,385,105</i><br><i>2029: \$8,343,343</i><br><i>2030: \$8,351,763</i><br><i>2031: \$8,392,551</i>                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.17</i><br><i>PAC: 1.42</i><br><i>SCT Base: 1.65</i><br><i>SCT High: 1.65</i><br><i>RIM: 0.44</i>                                          |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                             |                                                                  | <b>Market Actors necessary for success:</b><br><i>Contractors, vendors, manufacturers, trade pros</i>                                                                                           |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce include farm workers, equipment operators, ranch managers, and livestock operations specialists, contractors, vendors, etc. There are high quantities of these workers in place. A closure or suspension of regular services of one or more major agricultural customer sites, contractors, or vendors could pose a risk to program effectiveness.</i> |                                                                  |                                                                                                                                                                                                 |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Meet contract goals. TSB, energy savings, customers served, HTR, and DAC customers served, cost effectiveness, etc.</i>                                                                                                                                                                                                                                          |                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Reach as many Ag customers as possible, reach as many DAC and HTR customers as possible, increase the amount of deemed measures, streamline incentive and finance processing, increase cost-effectiveness</i>                                                                                                                                                             |                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Yes, this PA has an agricultural program and a food processing program. Many agricultural customers also have food processing facilities, so the programs are constantly coordinating to make sure there is no overlap or double dipping. Both programs coordinate and share best practices on a regular basis.</i> |                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, deemed project measure install pass rate, program data quality, HTR energy savings, DAC energy savings, customer satisfaction</i>                                                                                                                                            |                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                                                                                                                                                                             | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Ag_001/details/">https://cedars.cpuc.ca.gov/programs/PGE_Ag_001/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ag - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Ag_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Customer Group(s):</b><br><i>Agricultural, Non-Res</i>                                                                                              |
| <b>Sector Challenges:</b><br><i>Ag Electrification remains rare with Technology advancement continuing to develop.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$36,337</i>                                                                            |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$191,721</i><br><i>2029: \$203,977</i><br><i>2030: \$42,172</i><br><i>2031: \$43,499</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.10</i><br><i>PAC: 0.08</i><br><i>SCT Base: 0.11</i><br><i>SCT High: 0.11</i><br><i>RIM: 0.07</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses of an agricultural project</i>  |                                                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses of an agricultural project</i> |                                                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                      |                                                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB forecast accuracy, custom project engineering quality, deemed project measure install pass rate.</i>                             |                                                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>EE/DR                                                                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_electric/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ag - All Electric - PGE Costs</b>                                                                                     |                                                                                                                                                                                                                                      |                                                |
| <b>Program ID:</b> PGE_SW_NC_NonRes_Ag_electric_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2021 - onwards                         |                                                                                                                                                                                                                                      |                                                |
| <b>Portfolio Segment:</b><br>Market Support                                                                                                                       | <b>Program Implementer Type:</b><br>Non-Program                                                                                                                                                                                      | <b>Third-Party Program Implementer:</b><br>N/A |
| <b>Applicable Sector:</b><br>Agricultural                                                                                                                         | <b>Customer Group(s):</b><br>Non-Program                                                                                                                                                                                             |                                                |
| <b>Sector Challenges:</b><br>Non-Program                                                                                                                          | <b>Sector Opportunities:</b><br>Non-Program                                                                                                                                                                                          |                                                |
| <b>Brief Program Description:</b><br>The program ID captures the PG&E program administrator costs for the related statewide program, but is not a program itself. |                                                                                                                                                                                                                                      |                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br>Non-Program                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br>Non-Program                                                                                                                                                         |                                                |
| <b>Intervention Strategy:</b><br>Non-Program                                                                                                                      | <b>Delivery Type:</b><br>Downstream                                                                                                                                                                                                  |                                                |
| <b>Measurement and Verification Methods:</b><br>Non-Program                                                                                                       | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br>\$0                                                                                                                                                                      |                                                |
| <b>Annual Budgets for 2028-2031:</b><br>2028: \$26,601<br>2029: \$27,571<br>2030: \$28,586<br>2031: \$29,655                                                      | <b>Cost Effectiveness for 2028-2031:</b><br>TRC: 0.00<br>PAC: 0.00<br>SCT Base: 0.00<br>SCT High: 0.00<br>RIM: 0.00                                                                                                                  |                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br>Non-Program                                                                    | <b>Market Actors necessary for success:</b><br>Non-Program                                                                                                                                                                           |                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                      |                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br>Non-Program                                                                                                    |                                                                                                                                                                                                                                      |                                                |
| <b>Long Term Outcome (5-10 years):</b><br>Non-Program                                                                                                             |                                                                                                                                                                                                                                      |                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                      |                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br>Non-Program                                                                                                      |                                                                                                                                                                                                                                      |                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>None                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_electric_PA/details/</a> |                                                |

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| <b>Program Name: SW New Construction NonRes Ag - Mixed Fuel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                 |
| <b>Program ID: PGE_SW_NC_NonRes_Ag_mixed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                 |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                       |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Customer Group(s):</b><br><i>Agricultural, Non-Res</i>                                                                                       |
| <b>Sector Challenges:</b><br><i>Ag Electrification remains rare with Technology advancement continuing to develop. Availability of electric alternatives to gas equipment for certain agricultural and industrial processes is lacking.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i> |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                      |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                      |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$206,158</i>                                                                    |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$141,457<br/>2029: \$128,015<br/>2030: \$169,236<br/>2031: \$175,353</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.42<br/>PAC: 0.35<br/>SCT Base: 0.49<br/>SCT High: 0.49<br/>RIM: 0.17</i>                  |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                 |

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| <i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses of an agricultural project</i>                                |                                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses of an agricultural project</i>                               |                                                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                                    |                                                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB forecast accuracy, custom project engineering quality, deemed project measure install pass rate.</i>                                                           |                                                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>EE/DR                                                                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_mixed/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_mixed/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ag - Mixed Fuel - PGE Costs</b>                                                                                                  |                                                                                                                                                                                                                                |                                                       |
| <b>Program ID: PGE_SW_NC_NonRes_Ag_mixed_PA</b>                                                                                                                              |                                                                                                                                                                                                                                |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                                |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                                |                                                       |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                                         | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                             | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                                |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                             |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                                |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                            |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                     |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                         |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,428</i><br><i>2029: \$27,408</i><br><i>2030: \$28,426</i><br><i>2031: \$29,495</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                         |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                              |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                                |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                                |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                                |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_mixed_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ag_mixed_PA/details/</a> |                                                       |

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| <b>Program Name: Agricultural Calculated Incentives</b>                                                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                                                                                                             |
| <b>Program ID: PGE21031</b>                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                             | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                                       |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                                                                                                                                                                                                                                                                     |                                                     | <b>Customer Group(s):</b><br><i>Agricultural</i>                                                                                                            |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                                                                                                |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                  |
| <b>Brief Program Description:</b><br><i>The Agricultural Calculated Incentives Program is a site-specific program providing financial incentives for agricultural customers to install new equipment or systems that exceed applicable code and/or industry standards in buildings and sites. This is a legacy Program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs.</i> |                                                     |                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                                                                                                  |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i> |
| <b>Intervention Strategy:</b><br><i>Incentives, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                                                                                                       |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>Custom Calculated</i>                                                                                                                                                                                                                                                                                                                                             |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$31,636</i><br><i>2029: \$31,885</i><br><i>2030: \$32,143</i><br><i>2031: \$32,411</i>                                                                                                                                                                                                                                                                             |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                                                                                                       |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                           |                                                     |                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                            |                                                     |                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                     |                                                     |                                                                                                                                                             |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b>                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                             |

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| <i>No, this program is intended for use solely when a third-party solution is unavailable.</i>                                                                                            |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, program data quality, customer satisfaction</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                 | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21031/details/">https://cedars.cpuc.ca.gov/programs/PGE21031/details/</a> |

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| <b>Program Name: Agricultural Deemed Incentives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                             |                                                       |
| <b>Program ID: PGE21032</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                             |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                             |                                                       |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                       |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>IOU Core</i>                                                                                                         | <b>Third-Party Program Implementer:</b><br><i>n/a</i> |
| <b>Applicable Sector:</b><br><i>Agricultural</i>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             | <b>Customer Group(s):</b><br><i>Agricultural</i>      |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                             | <b>Sector Opportunities:</b><br><i>N/A</i>            |
| <b>Brief Program Description:</b><br><i>The Agricultural Deemed Incentives Program provides fixed rebates for high volume measures such as variable frequency drives (VFDs) for irrigation pumps or process fans. Deemed retrofit measures have fixed incentive amounts per unit/measure and are intended for projects that have well-defined energy and demand savings. As a legacy PG&amp;E Program, the program is being phased out for the transition to third-party programs.</i> |                                                                                                                                                             |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                                                                                                                                                                    | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i> |                                                       |
| <b>Intervention Strategy:</b><br><i>Rebates, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                                                                                                                                                                            | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$31,636<br/>2029: \$31,885<br/>2030: \$32,143<br/>2031: \$32,411</i>                                                                                                                                                                                                                                                                                                                                                                 | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00<br/>PAC: 0.00<br/>SCT Base: 0.00<br/>SCT High: 0.00<br/>RIM: 0.00</i>                              |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                                                                                                                                                                         | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                   |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                             |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                             |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                       |

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| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>No, this program is intended for use solely when a third-party solution is unavailable.</i>  |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, deemed project measure install pass rate, program data quality, customer satisfaction</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21032/details/">https://cedars.cpuc.ca.gov/programs/PGE21032/details/</a> |

## Commercial Programs

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| <b>Program Name: Commercial Energy Efficiency Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                                                                                                                                                             |
| <b>Program ID: PGE_Com_003</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                                                             |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  |                                                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>TBD</i>                                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Customer Group(s):</b><br><i>Commercial, excluding High-Tech/Bio-Tech and Health Care subsectors, Non-Res</i>                                                                            |
| <b>Sector Challenges:</b><br><i>Large Customer Challenges:</i> <ul style="list-style-type: none"> <li>- Inadequate resources / capacity to assess projects across their portfolio</li> <li>- Rebate complexity</li> <li>- Building portfolios that span multiple utilities</li> </ul> <i>Medium Sized Customer Challenges:</i> <ul style="list-style-type: none"> <li>- Minimal understanding of EE Measures</li> <li>- Low tolerance for business interruptions</li> <li>- No existing contractor relationships</li> <li>- Low bandwidth to manage projects</li> <li>- Limited budget</li> </ul> |                                                                  | <b>Sector Opportunities:</b><br><br><i>Increased participation in BE program and adoption of Heat Pump Measures within the commercial sector. Opportunity for EE measure implementation</i> |
| <b>Brief Program Description:</b><br><i>The Commercial Energy Efficiency Program is a downstream program that will provide energy efficiency services, technical services and incentive processing. The innovative program design provides a suite of incentives to commercial customers to install fuel switching, refrigeration, HVAC, and lighting measures, using the Deemed, Custom and Normalized Metered Energy Consumption (NMEC) platforms. Program will mainly target large and medium sized commercial customers with over 50kW demand through the entire PG&amp;E Territory.</i>      |                                                                  |                                                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                 |
| <b>Intervention Strategy:</b><br><i>Incentive, Finance, Audit and Technical Assistance</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$95,313,231</i>                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$11,794,524</i><br><i>2029: \$12,200,647</i><br><i>2030: \$12,297,088</i><br><i>2031: \$12,354,319</i>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.63</i><br><i>PAC: 1.51</i><br><i>SCT Base: 2.21</i><br><i>SCT High: 2.21</i><br><i>RIM: 1.41</i>                                      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Market Actors necessary for success:</b>                                                                                                                                                 |

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| Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Contractors, vendors, customers, PG&E Deemed Engineering                                                                                                                                     |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>The internal Sales and Marketing teams engage directly with customers to understand their needs and promote measures that support PG&amp;E's goals. In addition, the Open Partner Network and PG&amp;E's BES representatives—who often have deeper customer relationships and specialized technical expertise—provide outreach and generate qualified leads. All leads are evaluated by the program to assess project TSB and cost-effectiveness before determining whether a project can move forward.</i> |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><ul style="list-style-type: none"> <li>- Total System Benefit</li> <li>- Cost Effectiveness</li> <li>- # of Heat Pumps Installed</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><ul style="list-style-type: none"> <li>- Total System Benefit</li> <li>- Cost Effectiveness</li> <li>- Partial Building Electrification</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Yes, typically only to transfer customer projects to other programs when they can't support them because of budget limitations.</i>                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><ul style="list-style-type: none"> <li>-Program Data Quality</li> <li>-TSB/Budget Forecast Accuracy</li> <li>-Cost effectiveness</li> <li>-Engineering Quality Variance</li> <li>-Measure Installation Pass Rate</li> </ul>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_003/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_003/details/</a> |

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| <b>Program Name: High Tech and Bio Tech Efficiency Program</b>                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                          |
| <b>Program ID: PGE_Com_004</b>                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                          |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                                                                          |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                    | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Resource Innovations</i>                                                                                                                                   |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Customer Group(s):</b><br><i>High Tech, Bio-Tech, Laboratories</i>                                                                                                                                    |
| <b>Sector Challenges:</b><br><i>High energy use per square foot, rapidly evolving computing technologies and associated power needs.</i>                                                                                                                                                                                                                                                    |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in EE program with particular focus on HVAC-based equipment replacement, retrocommissioning, electrification, and load shifting measures.</i> |
| <b>Brief Program Description:</b><br><i>AEP offers guidance on control upgrades, and retro-commissioning (RCx) to optimize existing equipment, scheduling, and control sequences while shifting demand away from local and system peak periods.</i>                                                                                                                                         |                                                                  |                                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information</i>                                                                                                                                                                                                                                      |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - site</i>                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$7,738,066</i>                                                                                                                           |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$942,928</i><br><i>2029: \$948,805</i><br><i>2030: \$956,751</i><br><i>2031: \$964,966</i>                                                                                                                                                                                                                                                |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.41</i><br><i>PAC: 1.91</i><br><i>SCT Base: 1.76</i><br><i>SCT High: 1.76</i><br><i>RIM: 0.32</i>                                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                          |                                                                  | <b>Market Actors necessary for success:</b><br><i>End use customers, contractors, vendors, manufacturers, trade pros</i>                                                                                 |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce includes facility operators, utility managers and engineers, contractors, vendors, etc. There are high quantities of these workers in place. A closure or suspension of regular services of one or more contractors or vendors could pose a risk to program effectiveness.</i> |                                                                  |                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Meet contract goals. TSB, energy savings, customers served, cost effectiveness, etc.</i>                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                                                                          |

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| <i>Reach as many high tech, bio-tech and laboratory customers as possible, streamline incentive and finance processing, increase cost-effectiveness</i>                                                                                                  |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Yes, typically only to transfer customer projects to other programs when they can't support them because of budget or project timing limitations.</i> |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, deemed project measure install pass rate, program data quality, customer satisfaction</i>                      |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_004/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_004/details/</a> |

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| <b>Program Name: Healthcare Efficiency Program</b>                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                |
| <b>Program ID: PGE_Com_005</b>                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                    | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Resource Innovations</i>                                                         |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Customer Group(s):</b><br><i>Hospitals, outpatient clinics, assisted care living</i>                                        |
| <b>Sector Challenges:</b><br><i>Capital expenditure constrained</i>                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in the EE program and adoption of EE measures.</i>                  |
| <b>Brief Program Description:</b><br><i>HEFI focuses on the highest potential end uses in the healthcare segment, including HVAC retrofits, controls, and optimization, indoor and exterior lighting, including advanced lighting controls; process and equipment loads, refrigeration, and plug loads.</i>                                                                                 |                                                                  |                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                    |
| <b>Intervention Strategy:</b><br><i>Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information</i>                                                                                                                                                                                                                                      |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                                                                                                       |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$17,492,282</i>                                                |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,572,998<br/>2029: \$1,578,418<br/>2030: \$1,587,636<br/>2031: \$1,597,057</i>                                                                                                                                                                                                                                                          |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.14<br/>PAC: 2.27<br/>SCT Base: 1.47<br/>SCT High: 1.47<br/>RIM: 0.45</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                          |                                                                  | <b>Market Actors necessary for success:</b><br><i>End use customers, contractors, vendors, manufacturers, trade pros</i>       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce includes facility operators, utility managers and engineers, contractors, vendors, etc. There are high quantities of these workers in place. A closure or suspension of regular services of one or more contractors or vendors could pose a risk to program effectiveness.</i> |                                                                  |                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Meet contract goals. TSB, energy savings, customers served, HTR, and DAC customers served, cost effectiveness, etc.</i>                                                                                                                                                                                                               |                                                                  |                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                |

*Reach as many hospital, outpatient clinic, and assisted / long-term care facility customers as possible, reach as many DAC and HTR customers as possible, increase the amount of deemed measures, streamline incentive and finance processing, increase cost-effectiveness*

**Does this program interact with other programs in this PA portfolio? If so, describe:**

*Yes, many participating healthcare customers dually participate in HEFI and On-Bill Financing, which lowers customer acquisition costs for specialized efficiency vendors working in the healthcare sector to develop and scope projects, and by utilizing OBF, allows healthcare customers to shift efficiency investment costs onto operating expenses making efficiency investments easier to get internal enterprise approval.*

**Program Metrics and Indicators (KPIs):**

*Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, deemed project measure install pass rate, program data quality, HTR energy savings, DAC energy savings, customer satisfaction*

**Does this program utilize Integrated Demand Side Management (IDSM)?**

*None*

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/programs/PGE\\_Com\\_005/details/](https://cedars.cpuc.ca.gov/programs/PGE_Com_005/details/)

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| <b>Program Name: Commercial Behavioral Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Program ID: PGE_Com_007</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Expected Program Duration: 2023 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Oracle</i>                                                                                                                                                                                                                                                                                                                                     |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Customer Group(s):</b><br><i>Small/Medium Size Businesses</i>                                                                                                                                                                                                                                                                                                                             |
| <b>Sector Challenges:</b><br><i>Small and medium-sized commercial businesses often lack awareness, resources, and expertise to identify and act on energy-saving opportunities. Operational priorities and budget constraints make it difficult for these businesses to participate in energy efficiency programs, resulting in missed savings and reduced program impact.</i>                                                                                                                                                                                                                                                                                          |                                                                  | <b>Sector Opportunities:</b><br><i>By leveraging behavioral insights and targeted outreach, small and medium-sized businesses can become more aware of energy-saving actions and programs. This creates opportunities to reduce energy costs, improve operational efficiency, and support broader sustainability goals through increased participation in energy efficiency initiatives.</i> |
| <b>Brief Program Description:</b><br><i>The Commercial Behavioral Program targets small and medium-sized businesses across PG&amp;E's service territory. The program employs behavioral insights, targeted communications, and data-driven outreach to help businesses understand and manage their energy use. Strategies include personalized energy reports, educational campaigns, and engagement initiatives designed to motivate energy-saving actions. The expected outcome is increased participation in energy efficiency programs, measurable reductions in energy consumption, and progress toward broader sustainability goals for the commercial sector</i> |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>Behavioral</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                                                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                                                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$229,600</i><br><i>2029: \$233,032</i><br><i>2030: \$236,591</i><br><i>2031: \$240,285</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                                                                                                                                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a small increase in budget for this program for the 2032–2035 period, contingent on program results and the potential to expand behavioral offerings to additional business segments.</i>                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Market Actors necessary for success:</b><br><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                |

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| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>N/A                                                                                                                                                                                                              |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Growing number of participating small and medium-sized businesses engaging with behavioral energy efficiency initiatives and completing recommended actions.</i>                                                                                           |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Energy savings across small and medium-sized businesses.<br/>Widespread adoption of energy-saving practices and measures.<br/>Improved operational efficiency and cost savings for businesses.<br/>Greater participation in utility energy efficiency programs.</i> |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                                                                                                                              |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Energy Savings<br/>Total System Benefit (TSB)<br/>Customer Participation</i>                                                                                                                                                                                 |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                                                                                                                              | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_007/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_007/details/</a> |

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| <b>Program Name: Strategic Energy Management - Commercial</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                                                   |
| <b>Program ID: PGE_Com_009</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                                                                   |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  |                                                                                                                                                                                   |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                                                   |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Stillwater Energy, LLC</i>                                                                                                          |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Customer Group(s):</b><br><i>Commercial, public, and institutional</i>                                                                                                         |
| <b>Sector Challenges:</b><br><i>Existing commercial, public, and institutional facilities lack comprehensive understanding of how energy usage impacts energy costs and potential for energy savings</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Sector Opportunities:</b><br><i>Long-term engagement with commercial, public, and institutional customers to utilize meter-based methodology in determining energy savings</i> |
| <b>Brief Program Description:</b><br><i>The Commercial SEM Program is a whole facility approach that uses meter-based and dynamic baseline models to determine energy savings from all program activities at the facility, including capital projects, custom and deemed calculated retrofits, maintenance and operation, and retro-commissioning projects. The program requires a multi-year customer commitment to participate in multiple cohort-type training workshops, individual or cohort energy analysis, and Evaluation and Measurement (M&amp;V) activities based on information and characteristics of the facility's specific processes.</i> |                                                                  |                                                                                                                                                                                   |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                       |
| <b>Intervention Strategy:</b><br><i>Commercial SEM will utilize a cohort format for training workshops and a mix of individual and cohort site activities</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>Majority meter-based modeling, engineering calculations when appropriate</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$24,372,612</i>                                                                                                   |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,065,037</i><br><i>2029: \$3,770,811</i><br><i>2030: \$4,075,807</i><br><i>2031: \$4,104,897</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.78</i><br><i>PAC: 1.64</i><br><i>SCT Base: 2.34</i><br><i>SCT High: 2.34</i><br><i>RIM: 0.26</i>                            |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  | <b>Market Actors necessary for success:</b><br><i>PG&amp;E Account Representatives</i>                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                   |

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| <i>PG&amp;E intends to coordinate customer outreach through PG&amp;E Account Executives to recruit facilities to participate. External technical assistance will be critical for assistance with establishing a Strategic Energy Management (SEM) approach</i> |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Identify, implement, and track organizational and operational changes that will help save energy at participating facilities for each program cycle</i>                                                  |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Continued customer engagement beyond the three two-year program cycles to advance participant EE projects and enhance IDSM fundamentals</i>                                                                       |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program may coordinate with other third-party programs serving the commercial, public, and institutional sectors to ensure no double dipping</i>       |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, project engineering quality, program data quality, customer satisfaction</i>                                                                             |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_009/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_009/details/</a> |

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| <b>Program Name: Targeted Load Management Placeholder</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                                                                                                                                                                                             |
| <b>Program ID: PGE_Com_010</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     |                                                                                                                                                                                                                             |
| <b>New / Existing: New</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                                                                                                                                                                                             |
| <b>Expected Program Duration: 2028 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     | <b>Customer Group(s):</b><br><i>Commercial</i>                                                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>Grid constraints can necessitate expensive infrastructure investments that can have lengthy timelines to complete.</i>                                                                                                                                                                                                                                                                                                                       |                                                     | <b>Sector Opportunities:</b><br><i>This pilot will work with PG&amp;E distribution and transmission system planners to deploy energy efficiency (EE) and other load management (LM) measures in grid-constrained areas.</i> |
| <b>Brief Program Description:</b><br><i>The pilot will aim to enable load flexibility in coordination with other DER customer programs to reduce peak demand in targeted areas with significant potential to mitigate costly grid investments while maintaining high reliability and customer satisfaction. The pilot may also explore methodologies to value the location-specific benefits to unlock future opportunities to scale targeted LM grid support offerings.</i> |                                                     |                                                                                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                          |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                 |
| <b>Intervention Strategy:</b><br><i>Measures could include EE along with other distributed energy resources (DERs) while supporting customer enrollment in demand response (DR) offerings and dynamic rates.</i>                                                                                                                                                                                                                                                             |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,614,848</i><br><i>2029: \$2,619,155</i><br><i>2030: \$2,623,624</i><br><i>2031: \$2,628,259</i>                                                                                                                                                                                                                                                                                                                         |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                |                                                     | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                                                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>kW of Load Flexibility and locational + temporal avoided cost benefit valuation</i>                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                                                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b><br><i>Scaled targeted LM grid support offerings with locational and temporal avoided cost benefit stack</i>                                                                                                                                                                                                                                                                                                                           |                                                     |                                                                                                                                                                                                                             |

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| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Potential interaction with Multi-DER</i> |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>kW of Load Flexibility and locational + temporal avoided cost calculations</i>          |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_010/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_010/details/</a> |

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| <b>Program Name: Micro and Small Business Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                                                                |
| <b>Program ID: PGE_Com_SmallBiz</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                                                                                                                |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                                                                                                                |
| <b>Expected Program Duration: 2022 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Resource Innovations</i>                                                                                                                                                                         |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Customer Group(s):</b><br><i>Micro &amp; Small Non-Residential Commercial Sector customers in Disadvantaged Communities (DACs)</i>                                                                                                          |
| <b>Sector Challenges:</b><br><i>Lack of awareness and participation in EE programs, lack of funds to contribute to projects.</i>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Sector Opportunities:</b><br><i>Proactive exposure of this customer group to potential bill saving in EE program participation with the intent of developing a pattern of customer participation through a successful first experience.</i> |
| <b>Brief Program Description:</b><br><i>The Simplified Savings Program is PG&amp;E's equity segment program, which provides marketing, outreach, and education, as well as direct install services, financing, and incentives for a traditionally underserved segment. Simplified Savings targets retail, restaurants, and convenience stores, among others, with a demand of less than 50kW and that are within a DAC or are HTR. Customer bill reduction and customer engagement are the primary measures of success of this equity program.</i> |                                                                  |                                                                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>Customers are chosen and contracted based on their eligibility profiles, are provided an easy five step online enrollment process. Locations are provided an audit with a resulting EE potential report from which the customer can choose level of participation. The intent is to provide a positive first experience to promote further participation and a positive reputation for the program in the community.</i>                                                                                       |                                                                  | <b>Delivery Type:</b><br><br><i>Downstream</i>                                                                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Both the implementer and PG&amp;E CIP teams undertake post install inspections to provide installation and operation verification. Energy and Bill Savings for the program is based on approved CPUC Work Paper estimates for the measures included in the program.</i>                                                                                                                                                                                                                         |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><br><i>\$0</i>                                                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,231,387</i><br><i>2029: \$2,739,293</i><br><i>2030: \$2,247,495</i><br><i>2031: \$2,256,005</i>                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i>                                                                                                             |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RIM: 0.00                                                                                                                                                                                                                                                                                                                                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Market Actors necessary for success:</b><br><br><i>In addition to PG&amp;E and the contracted Implementer, this program relies on a roster of reliable, trained, and accountable contractors to be one of the front line engagement teams directly to the customers. The intent of the program is to select contractors from the communities being served.</i> |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Delivery Workforce must be active C-10 electrical contractors for existing measures and expanding to C-36 plumbing contractors as the offering expands. Since workforces are by design recruited from the communities in which they serve, available contractors may influence the program's effectiveness in certain geographies. Scaling the program to a higher performance level will require scaling the budgets to meet labor and product fluctuations and breadth of products offered by the program.</i> |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Average of 1500-1700 Micro and Small Customer installations annually with average bill savings of \$600. Expected 20% of customer follow ups resulting in additional savings measures undertaken.</i>                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Long Term Outcome (5-10 years):</b><br><i>Average of 1500-1700 customer installations annually. Expanded program offering to include refrigeration, ECM motors, and VFDs as budget permits</i>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program does not interact with other Resource programs in the portfolio. It does interact with the non-resource Government Partnership programs as a referral agent to this program.</i>                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Program Metrics for this program is number of customers served, bill savings per customer, and high customer satisfaction rate.</i>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><br><i>None</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Com_SmallBiz/details/">https://cedars.cpuc.ca.gov/programs/PGE_Com_SmallBiz/details/</a>                                                                                                                                                        |

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| <b>Program Name: Food Service POS</b>                                                                                                                |                                                                  |                                                                                                                                                                                          |
| <b>Program ID: PGE_SW_FS</b>                                                                                                                         |                                                                  |                                                                                                                                                                                          |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                          |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                             | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Energy Solutions</i>                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                       |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                          |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                       |
| <b>Brief Program Description:</b><br><i>SCG is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>          |                                                                  |                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See Lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                      |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$59,739,015</i>                                                                                                          |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$7,037,600</i><br><i>2029: \$7,037,600</i><br><i>2030: \$7,037,600</i><br><i>2031: \$7,037,600</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.49</i><br><i>PAC: 2.17</i><br><i>SCT Base: 2.05</i><br><i>SCT High: 2.05</i><br><i>RIM: 0.54</i>                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                        |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_FS/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_FS/details/</a> |

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| <b>Program Name: Food Service POS - PGE Costs</b>                                                                                                                            |                                                        |                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_SW_FS_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                       |                                                        |                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                     | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                               |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                             |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                            |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Midstream-Distributor</i>                                                                                                                                          |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,507</i><br><i>2029: \$27,448</i><br><i>2030: \$28,424</i><br><i>2031: \$29,508</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_FS_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_FS_PA/details/</a> |

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| <b>Program Name: SW HVAC All Electric Non-Residential</b>                                                                                                                                                         |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Program ID: PGE_SW_HVAC_AE_NonRes</b>                                                                                                                                                                          |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                   |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expected Program Duration: 2026 - onwards</b>                                                                                                                                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                          | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>TBD</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                    |                                                                  | <b>Customer Group(s):</b><br><i>Commercial, Public, and Institutional</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sector Challenges:</b><br><br><i>Electrification is still in the early stages of adoption.</i>                                                                                                                 |                                                                  | <b>Sector Opportunities:</b><br><i>Enables early engagement with distributors, allowing the program to influence stocking decisions and accelerate sales of high-performance heat-pump HVAC systems.</i><br><i>Also positions the program to work with design firms early in the project cycle, ensuring high-efficiency equipment is specified during the initial design phase. Together, these strategies expand market pull, increase the likelihood of heat-pump adoption, and drive higher overall program impact.</i> |
| <b>Brief Program Description:</b><br><i>Commercial, Public and Institutional Customers are targeted. Program Outcome are cost effectiveness, Total System Benefit and driving the market towards HP Adoption.</i> |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                               |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Intervention Strategy:</b><br><i>Rebates and Education</i>                                                                                                                                                     |                                                                  | <b>Delivery Type:</b><br><i>Midstream-Distributor, Downstream</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, NMEC</i>                                                                                                                                               |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$9,776,339</i>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,208,750</i><br><i>2029: \$2,707,500</i><br><i>2030: \$2,850,000</i><br><i>2031: \$2,244,375</i>                                                              |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.08</i><br><i>PAC: 0.99</i><br><i>SCT Base: 1.65</i><br><i>SCT High: 1.65</i><br><i>RIM: 1.01</i>                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>TBD</i>                                                                                                                     |                                                                  | <b>Market Actors necessary for success:</b><br><i>Distributors, Design Firms, Installers</i>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>TBD</i>                                                                                                        |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>TSB, Electrification Effort, Cost Effectiveness</i>                                                                                                         |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                            |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| <i>Heat Pump HVAC Adoption</i>                                                                                                                             |                                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Other programs focusing on Building Electrification</i> |                                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB, Cost Effectiveness, # of HP Units Installed</i>                                                   |                                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>EE/DR</i>                                                                | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_AE_NonRes/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_AE_NonRes/details/</a> |

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| <b>Program Name: SW HVAC All Electric Non-Residential PGE Costs</b>                                                                                                          |                                                        |                                                                                                                                                                                                                        |
| <b>Program ID: PGE_SW_HVAC_AE_NonRes_PA</b>                                                                                                                                  |                                                        |                                                                                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                        |                                                                                                                                                                                                                        |
| <b>Expected Program Duration: 2026 - onwards</b>                                                                                                                             |                                                        |                                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                     | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                  |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                               |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$189,564</i><br><i>2029: \$196,620</i><br><i>2030: \$203,940</i><br><i>2031: \$211,605</i>                                 |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_AE_NonRes_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_AE_NonRes_PA/details/</a> |

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| <b>Program Name: Midstream Comm Water Heating</b>                                                                                                    |                                                                  |                                                                                                                                                                                              |
| <b>Program ID: PGE_SW_MCWH</b>                                                                                                                       |                                                                  |                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                              |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                             | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>DNV</i>                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                       |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>SCG is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>          |                                                                  |                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                          |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Midstream-Distributor</i>                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$200,644,265</i>                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$7,778,400</i><br><i>2029: \$7,778,400</i><br><i>2030: \$7,778,400</i><br><i>2031: \$7,778,400</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 4.27</i><br><i>PAC: 5.08</i><br><i>SCT Base: 6.33</i><br><i>SCT High: 6.33</i><br><i>RIM: 1.28</i>                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_MCWH/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_MCWH/details/</a> |

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| <b>Program Name: Midstream Comm Water Heating - PGE Costs</b>                                                                                                                |                                                        |                                                                                                                                                                                                    |
| <b>Program ID: PGE_SW_MCWH_PA</b><br><b>New / Existing: Existing</b><br><b>Expected Program Duration: 2020 - onwards</b>                                                     |                                                        |                                                                                                                                                                                                    |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                     | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                              |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                               |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                    |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                 |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                    |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Midstream-Distributor</i>                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,507</i><br><i>2029: \$27,448</i><br><i>2030: \$28,424</i><br><i>2031: \$29,508</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                             |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                  |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                    |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                    |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                    |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                    |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                    |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_MCWH_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_MCWH_PA/details/</a> |

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| <b>Program Name: SW New Construction NonRes Com - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Com_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Customer Group(s):</b><br><i>Commercial, Non-Res</i>                                                                                                |
| <b>Sector Challenges:</b><br><i>Whole Building Electrification is still in the early stages of adoption</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$2,492,846</i>                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,227,017</i><br><i>2029: \$1,305,454</i><br><i>2030: \$1,054,312</i><br><i>2031: \$1,174,475</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.64</i><br><i>PAC: 0.54</i><br><i>SCT Base: 0.75</i><br><i>SCT High: 0.75</i><br><i>RIM: 0.24</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for commercial building project</i>  |                                                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for commercial building project</i> |                                                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                    |                                                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed, All-Electric project completion</i>                                                            |                                                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>EE/DR</i>                                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_electric/details/</a> |

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| <b>Program Name: SW New Construction NonRes Com - All Electric - PGE Costs</b>                                                                                               |                                                                                                                                                                                                                                        |                                                       |
| <b>Program ID: PGE_SW_NC_NonRes_Com_electric_PA</b>                                                                                                                          |                                                                                                                                                                                                                                        |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                                        |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                                        |                                                       |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                                                 | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                               | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                                        |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                                     |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                                        |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                                    |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                             |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                 |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$27,410</i><br><i>2029: \$28,535</i><br><i>2030: \$29,542</i><br><i>2031: \$30,670</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                 |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                                      |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                        |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                                        |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                                        |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                        |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                                        |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_electric_PA/details/</a> |                                                       |

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| <b>Program Name: SW New Construction NonRes Com - Mixed Fuel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                 |
| <b>Program ID: PGE_SW_NC_NonRes_Com_mixed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                |                                                                                                                                                 |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                               | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                | <b>Customer Group(s):</b><br><i>Commercial, Non-Res</i>                                                                                         |
| <b>Sector Challenges:</b><br><i>Building Electrification is still in the early stages of adoption. Market resistance to electrification of cooking equipment and concerns about whether heat pump water heaters can satisfy high hot water loads in restaurants.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i> |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                                                                                |                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                     |                                                                                                                                                 |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                     |                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$823,864</i>                                                   |                                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$905,328<br/>2029: \$819,296<br/>2030: \$967,060<br/>2031: \$901,816</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.27<br/>PAC: 0.24<br/>SCT Base: 0.32<br/>SCT High: 0.32<br/>RIM: 0.14</i> |                                                                                                                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                           |                                                                                                                                                 |

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| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for commercial building project</i>                                                                                                                           |                                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for commercial building project</i>                                                                                                                          |                                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                                                                                                                                    |                                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed</i>                                                                                                                                                                                                                      |                                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                                                                                                                                    | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_mixed/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_mixed/details/</a> |

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| <b>Program Name: SW New Construction NonRes Com - Mixed Fuel - PGE Costs</b>                                                                                      |                                                                                                                                                                                                                                  |                                                |
| <b>Program ID:</b> PGE_SW_NC_NonRes_Com_mixed_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2021 - onwards                           |                                                                                                                                                                                                                                  |                                                |
| <b>Portfolio Segment:</b><br>Market Support                                                                                                                       | <b>Program Implementer Type:</b><br>Non-Program                                                                                                                                                                                  | <b>Third-Party Program Implementer:</b><br>N/A |
| <b>Applicable Sector:</b><br>Commercial                                                                                                                           | <b>Customer Group(s):</b><br>Non-Program                                                                                                                                                                                         |                                                |
| <b>Sector Challenges:</b><br>Non-Program                                                                                                                          | <b>Sector Opportunities:</b><br>Non-Program                                                                                                                                                                                      |                                                |
| <b>Brief Program Description:</b><br>The program ID captures the PG&E program administrator costs for the related statewide program, but is not a program itself. |                                                                                                                                                                                                                                  |                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br>Non-Program                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br>Non-Program                                                                                                                                                     |                                                |
| <b>Intervention Strategy:</b><br>Non-Program                                                                                                                      | <b>Delivery Type:</b><br>Downstream                                                                                                                                                                                              |                                                |
| <b>Measurement and Verification Methods:</b><br>Non-Program                                                                                                       | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br>\$0                                                                                                                                                                  |                                                |
| <b>Annual Budgets for 2028-2031:</b><br>2028: \$27,596<br>2029: \$28,373<br>2030: \$29,381<br>2031: \$30,326                                                      | <b>Cost Effectiveness for 2028-2031:</b><br>TRC: 0.00<br>PAC: 0.00<br>SCT Base: 0.00<br>SCT High: 0.00<br>RIM: 0.00                                                                                                              |                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br>Non-Program                                                                    | <b>Market Actors necessary for success:</b><br>Non-Program                                                                                                                                                                       |                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                  |                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br>Non-Program                                                                                                    |                                                                                                                                                                                                                                  |                                                |
| <b>Long Term Outcome (5-10 years):</b><br>Non-Program                                                                                                             |                                                                                                                                                                                                                                  |                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                  |                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br>Non-Program                                                                                                      |                                                                                                                                                                                                                                  |                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>None                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_mixed_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Com_mixed_PA/details/</a> |                                                |

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| <b>Program Name: Commercial Calculated Incentives</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |                                                                                                                                                             |
| <b>Program ID: PGE21011</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                     |                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                                       |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Customer Group(s):</b><br><i>Commercial</i>                                                                                                              |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                                                                                                                                                 |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                  |
| <b>Brief Program Description:</b><br><i>The Commercial Calculated Incentives Program provides financial incentives for non-residential customers to install new equipment or systems that meet or exceed applicable code and/or industry standards in existing buildings. The program provides custom incentives and retrocommissioning (RCx) options. As a legacy PG&amp;E Program, the program is being phased out for the transition to a third-party program.</i> |                                                     |                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                                                                                                                                                   |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i> |
| <b>Intervention Strategy:</b><br><i>Incentives, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>Custom Calculated</i>                                                                                                                                                                                                                                                                                                                                                                                              |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$45,024<br/>2029: \$45,775<br/>2030: \$46,554<br/>2031: \$47,362</i>                                                                                                                                                                                                                                                                                                                                                |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00<br/>PAC: 0.00<br/>SCT Base: 0.00<br/>SCT High: 0.00<br/>RIM: 0.00</i>                              |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                                                                                                                                                        |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                                                                                                                             |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b>                                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                             |

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| <i>No, this program is intended for use solely when a third-party solution is unavailable.</i>                                                                                            |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, program data quality, customer satisfaction</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                 | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21011/details/">https://cedars.cpuc.ca.gov/programs/PGE21011/details/</a> |

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| <b>Program Name: Commercial Deemed Incentives</b>                                                                                                                                                                                                                                                                                      |                                                     |                                                                                                                                                                                        |
| <b>Program ID: PGE21012</b><br><b>New / Existing: Existing</b><br><b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                     |                                                     |                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                                                                  |
| <b>Applicable Sector:</b><br><i>Commercial</i>                                                                                                                                                                                                                                                                                         |                                                     | <b>Customer Group(s):</b><br><i>Commercial</i>                                                                                                                                         |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                  |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                             |
| <b>Brief Program Description:</b><br><i>The Commercial Deemed Incentives Program provides a limited number of prescriptive rebates for energy-efficient equipment in areas like HVAC, refrigeration, and water heating. As a legacy PG&amp;E Program, the program is being phased out for the transition to a third-party program.</i> |                                                     |                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                    |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                            |
| <b>Intervention Strategy:</b><br><i>Rebates, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                            |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                          |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$45,024</i><br><i>2029: \$45,775</i><br><i>2030: \$46,554</i><br><i>2031: \$47,362</i>                                                                                                                                                                                               |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                         |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                             |                                                     |                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                              |                                                     |                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                       |                                                     |                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>No, this program is intended for use solely when a third-party solution is unavailable.</i>                                                                                                                                         |                                                     |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, deemed project measure install pass rate, program data quality, customer satisfaction</i>                                                                                                                                        |                                                     |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                              |                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21012/details/">https://cedars.cpuc.ca.gov/programs/PGE21012/details/</a> |

## Cross-Cutting Programs – Codes & Standards

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| <b>Program Name: C&amp;S Decarbonization Support</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                               |                                                                                                                                              |
| <b>Program ID: PGE_CS_Decarb</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               |                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                               |                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                               |                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Implementer Type:</b><br><i>IOU Core</i>                                                                                                                           | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                        |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                               | <b>Customer Group(s):</b><br><i>Cross-Cutting</i>                                                                                            |
| <b>Sector Challenges:</b><br><i>There are many barriers to reducing building operational emissions, including costs, customer preferences, and infrastructure upgrade barriers. This program explicitly supports decarbonization-oriented code and standards and adjacent regulations that may not fit the current C&amp;S energy-savings attribution model, which can make impacts harder to quantify using traditional EE frameworks.</i>                                                                                                                                                                                                                                                                                              |                                                                                                                                                                               | <b>Sector Opportunities:</b><br><i>Advancement of building decarbonization standards outside the scope of energy efficiency regulations.</i> |
| <b>Brief Program Description:</b><br><i>The Decarbonization Support program is intended to provide technical support to the Statewide Advocacy Programs through data collection to inform state and national advocacy for appliances and buildings, and compliance with the resulting regulations aimed at decarbonizing the built environment. In addition to rulemakings currently supported by the Statewide Advocacy Programs, such as those conducted by the California Energy Commission and Department of Energy, this may include support for decarbonization specific regulations developed by California Air Resources Board, California Building Standards Commission, Housing Community Development, and other agencies.</i> |                                                                                                                                                                               |                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Codes and standards pursuits must consider the potential impacts on building occupants and assure the benefits of proposals outweigh the costs.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Include the appropriate factors in proposal development to ensure that equity concerns are addressed.</i> |                                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>Data collection, industry outreach, and advocacy in rulemakings currently not covered by other programs</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                           |                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>Non-Resource Program</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                        |                                                                                                                                              |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,290,985</i><br><i>2029: \$1,292,522</i><br><i>2030: \$1,294,117</i><br><i>2031: \$1,295,771</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                        |                                                                                                                                              |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Market Actors necessary for success:</b>                                                                                                                                   |                                                                                                                                              |

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| <p><i>Budget may increase depending on the level of success in the 2028-2031 period and the demand for support.</i></p>                                                                                                                                                                                                                                                                                                                                                                                | <p><i>Environmental advocates; Manufacturers and industry groups; California Energy Commission; California Air Resources Board; California Building Standards Commission; California Department of Housing and Community Development</i></p> |
| <p><b>High-level description of delivery workforce including necessary scale and its risks:</b><br/>N/A</p>                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                              |
| <p><b>Near-term Program Output(s) (1-4 years):</b><br/><i>Emerging issues of focus include supporting state and local development of building performance standards (BPS); affordable all-electric appliances and buildings; demand management; continued integration of EE with electric vehicle (EV) charging infrastructure requirements in state and national codes and standards; issues related to renewables and energy storage; and reducing embodied carbon in the built environment.</i></p> |                                                                                                                                                                                                                                              |
| <p><b>Long Term Outcome (5-10 years):</b><br/><i>Provide technical support through data collection and research to inform state and national advocacy for appliances and buildings, and compliance with the resulting regulations aimed at decarbonizing the built environment.</i></p>                                                                                                                                                                                                                |                                                                                                                                                                                                                                              |
| <p><b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br/><i>This program supports the statewide appliance standards and building codes advocacy subprograms. It is also expected to yield cross-functional benefits to other programs such as Clean Energy Transportation and Building Electrification programs.</i></p>                                                                                                                                    |                                                                                                                                                                                                                                              |
| <p><b>Program Metrics and Indicators (KPIs):</b><br/><i># of research reports to support prioritized advocacy topics; 100% of comment letters docketed by due dates for relevant rulemakings or proceedings.</i></p>                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                              |
| <p><b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br/>None</p>                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>Link to Existing Implementation Plan, if existing:</b><br/><a href="https://cedars.cpuc.ca.gov/programs/PGE_CS_Decarb/details/">https://cedars.cpuc.ca.gov/programs/PGE_CS_Decarb/details/</a></p>                                     |

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| <b>Program Name: State Appliance Standards Advocacy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      |                                                                                                                                                                                                         |
| <b>Program ID: PGE_SW_CSA_Appl</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      |                                                                                                                                                                                                         |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      |                                                                                                                                                                                                         |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                      |                                                                                                                                                                                                         |
| <b>Portfolio Segment:</b><br><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Program Implementer Type:</b><br><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><br><i>Energy Solutions, West Monroe</i>                                                                                                                     |
| <b>Applicable Sector:</b><br><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      | <b>Customer Group(s):</b><br><br><i>Cross-Cutting</i>                                                                                                                                                   |
| <b>Sector Challenges:</b><br><br><i>Industry opposition remains the most significant barrier to advancing standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                      | <b>Sector Opportunities:</b><br><br><i>Development of robust regulatory proposals supported by other advocacy efforts which have a positive influence on California appliance standards rulemakings</i> |
| <b>Brief Program Description:</b><br><i>Codes and Standards (C&amp;S) advocacy programs support California's rulemaking processes to update its Appliance Efficiency Regulations (otherwise known as Title 20), the US Department of Energy (DOE) Appliance Standards, as well as California's Building Energy Efficiency Standards (otherwise known as the Energy Code or Title 24, Part 6 and the energy portions of Part 11) by authoring Codes and Standards Enhancement (CASE) studies/comment letters, conduct data collection and engage in advocacy for promising design practices and technologies.</i><br><br><i>The Statewide Appliance Standards Advocacy (ASA) program is one of three advocacy programs under C&amp;S, which along with State Building Codes and National Codes and Standards Advocacy programs work to reduce building and appliance energy use and associated GHG emissions through the advancement of test procedures, building codes, and appliance standards. These programs work with federal, state, and local governments to develop ordinances that exceed statewide minimum requirements, and compliment incentive programs and utility information offerings to customers. ASA specifically targets improvements to Title 20 by the California Energy Commission. Advocacy activities include developing Title 20 code enhancement proposals and participating in the California Energy Commission public rulemaking process as well as monitoring state and federal legislation and intervening, as appropriate.</i> |                                                                      |                                                                                                                                                                                                         |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><br><i>Not applicable</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                      | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><br><i>Not applicable</i>                                                                                                              |
| <b>Intervention Strategy:</b><br><br><i>Advocacy, data collection, and industry outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      | <b>Delivery Type:</b><br><br><i>Codes and Standards</i>                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><br><i>CPUC Codes and Standards Evaluation Protocols</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><br><i>\$312,622,749</i>                                                                                                                    |
| <b>Annual Budgets for 2028-2031:</b><br><br><i>2028: \$1,812,096</i><br><i>2029: \$1,812,096</i><br><i>2030: \$1,812,096</i><br><i>2031: \$1,812,096</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      | <b>Cost Effectiveness for 2028-2031:</b><br><br><i>TRC: 6.27</i><br><i>PAC: 43.13</i><br><i>SCT Base: 8.69</i><br><i>SCT High: 8.76</i><br><i>RIM: 0.37</i>                                             |

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| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>SW C&amp;S advocacy budgets are expected to remain constant, with adjustments between state appliance standards, state building codes advocacy, and national advocacy, depending on standards advancement opportunities</i>                                                                                                                                                                                                                                                       | <b>Market Actors necessary for success:</b><br><i>Environmental advocates; Manufacturers and industry groups; California Energy Commission; Other state agencies</i>                                 |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>C&amp;S deliverables and activities include, but are not limited to, comment letters and CASE studies and/or roadmap proposals, stakeholder engagement and coalition building, attendance and participation in public meetings, dissemination of compliance tools, coordination with other energy efficiency proponents (such as Natural Resources Defense Council and ASAP), data modeling, lab testing, legal consulting, industry outreach, field metering, building energy modeling, and product testing.</i> |                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>Broadened industry relationships and increased support for continuous upgrading of State and federal energy efficiency codes and standards</i>                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>The C&amp;S advocacy programs leverage data generated in Code Readiness to advocate for standards advancement.</i>                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Annual electric energy savings (GWh)</i><br><i>Annual electric peak demand reduction (MW)</i><br><i>Annual gas energy savings (MM therms)</i><br><i>Total System Benefit (\$)</i>                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Appl/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Appl/details/</a> |

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| <b>Program Name: State Appliance Standards Advocacy - PGE Costs</b>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Program ID:</b> PGE_SW_CSA_Appl_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                    | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,465,142</i><br><i>2029: \$2,502,997</i><br><i>2030: \$2,544,960</i><br><i>2031: \$2,588,057</i>                         |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Appl_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Appl_PA/details/</a> |

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| <b>Program Name: State Building Codes Advocacy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                            |
| <b>Program ID: PGE_SW_CSA_Bldg</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                            |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |                                                                                                                                                                                                            |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><br><i>Energy Solutions,<br/>Frontier Energy,<br/>McHugh Energy, TRC,<br/>West Monroe</i>                                                                       |
| <b>Applicable Sector:</b><br><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      | <b>Customer Group(s):</b><br><br><i>Cross-Cutting</i>                                                                                                                                                      |
| <b>Sector Challenges:</b><br><br><i>Industry opposition remains the most significant barrier to advancing energy codes.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                      | <b>Sector Opportunities:</b><br><br><i>Development of robust regulatory proposals supported by other advocacy efforts which have a positive influence on California's building energy code rulemakings</i> |
| <b>Brief Program Description:</b><br><p><i>Codes and Standards (C&amp;S) advocacy programs support California's rulemaking processes to update its Appliance Efficiency Regulations (otherwise known as Title 20), the US Department of Energy (DOE) Appliance Standards, as well as California's Building Energy Efficiency Standards (otherwise known as the Energy Code or Title 24, Part 6 and the energy portions of Part 11) by authoring Codes and Standards Enhancement (CASE) studies/comment letters, conduct data collection and engage in advocacy for promising design practices and technologies.</i></p> <p><i>The Statewide Building Codes Advocacy program is one of three advocacy programs under C&amp;S, which along with State Appliance Standards and National Codes and Standards Advocacy programs work to reduce building and appliance energy use and associated GHG emissions through the advancement of test procedures, building codes, and appliance standards. These programs work with federal, state, and local governments to develop ordinances that exceed statewide minimum requirements, and compliment incentive programs and utility information offerings to customers.</i></p> <p><i>The Statewide Building Codes Advocacy program specifically supports the California Energy Commission's triennial update to the Energy Code (Title 24, Part 6) to include new EE regulations or to strengthen existing regulations for various technologies or measures. Advocacy activities include the development of Codes and Standards Enhancement (CASE) proposals, research to provide the data needed to advance EE regulations, and participation in the public rulemaking processes. The program also supports the Energy Commission in preparing recommendations to the Building Standards Commission to update the California Green Buildings Standards (Title 24, Part 11 or CALGreen).</i></p> |                                                                      |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><br><i>Building codes updates must consider the potential impacts on building occupants and ensure the benefits of proposals outweigh the costs.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><br><i>Include the appropriate factors in proposal development to ensure that equity concerns are addressed.</i>                          |
| <b>Intervention Strategy:</b><br><br><i>Research and Analysis, Proposal Development, Coalition Building, Stakeholder Outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      | <b>Delivery Type:</b><br><br><i>Codes and Standards</i>                                                                                                                                                    |

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| <b>Measurement and Verification Methods:</b><br><i>CPUC Codes and Standards Evaluation Protocols</i>                                                                                                                                                                                                                                                                             | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$3,056,834,194</i>                                                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,806,691</i><br><i>2029: \$3,806,691</i><br><i>2030: \$3,806,691</i><br><i>2031: \$3,806,691</i>                                                                                                                                                                                                                             | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.69</i><br><i>PAC: 200.75</i><br><i>SCT Base: 2.48</i><br><i>SCT High: 2.49</i><br><i>RIM: 0.57</i>                                                                                           |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>SW C&amp;S advocacy budgets are expected to remain constant, with adjustments between state appliance standards, state building codes advocacy, and national advocacy, depending on standards advancement opportunities</i>                                                                | <b>Market Actors necessary for success:</b><br><i>Manufacturers and industry groups; builders, designers, and contractors; building department staff, environmental advocacy organizations; California Energy Commission; Other state agencies</i> |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                    |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Improved Title 24 proposals that advance EE for covered building types and support broader state energy policy goals.</i>                                                                                                                                                                                                  |                                                                                                                                                                                                                                                    |
| <b>Long Term Outcome (5-10 years):</b><br><i>Broadened industry relationships and increased support for continued improvements and advancements in California's Energy Code through triennial updates.</i>                                                                                                                                                                       |                                                                                                                                                                                                                                                    |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>The statewide advocacy programs leverage data generated in Code Readiness, Decarbonization Support, and Reach Codes to advocate for state energy code advancement. Teams outside of Codes and Standards also reference the program deliverables to inform other programs.</i> |                                                                                                                                                                                                                                                    |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Annual electric energy savings (GWh)</i><br><i>Annual electric peak demand reduction (MW)</i><br><i>Annual gas energy savings (MM therms)</i><br><i>Total System Benefit (\$)</i>                                                                                                                                            |                                                                                                                                                                                                                                                    |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Bldg/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Bldg/details/</a>                                               |

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| <b>Program Name: State Building Codes Advocacy - PGE Costs</b>                                                                                                               |                                                        |                                                                                                                                                                                                            |
| <b>Program ID:</b> PGE_SW_CSA_Bldg_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                    | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$722,977</i><br><i>2029: \$753,761</i><br><i>2030: \$780,363</i><br><i>2031: \$817,544</i>                                 |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Bldg_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Bldg_PA/details/</a> |

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| <b>Program Name: National Codes &amp; Standards Advocacy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |                                                                                                                                                                                                                 |
| <b>Program ID: PGE_SW_CSA_Natl</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      |                                                                                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |                                                                                                                                                                                                                 |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      |                                                                                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Program Implementer Type:</b><br><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><br><i>Energy Solutions,<br/>McHugh Energy, West<br/>Monroe</i>                                                                                                      |
| <b>Applicable Sector:</b><br><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      | <b>Customer Group(s):</b><br><br><i>Cross-Cutting</i>                                                                                                                                                           |
| <b>Sector Challenges:</b><br><br><i>Industry opposition remains the most significant barrier to advancing standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                      | <b>Sector Opportunities:</b><br><br><i>Development of robust codes and standards, enhancement proposals, and other advocacy efforts which influence DOE, US EPA, ASHRAE, IECC, and other public proceedings</i> |
| <b>Brief Program Description:</b><br><p><i>Codes and Standards (C&amp;S) advocacy programs support California's rulemaking processes to update its Appliance Efficiency Regulations (otherwise known as Title 20), the US Department of Energy (DOE) Appliance Standards, as well as California's Building Energy Efficiency Standards (otherwise known as the Energy Code or Title 24, Part 6 and the energy portions of Part 11) by authoring Codes and Standards Enhancement (CASE) studies/comment letters, conduct data collection and engage in advocacy for promising design practices and technologies.</i></p> <p><i>The National Codes and Standards Advocacy program is one of three advocacy programs under C&amp;S, which along with State Building Codes and Statewide Appliance Standards Advocacy programs work to reduce building and appliance energy use and associated GHG emissions through the advancement of test procedures, building codes, and appliance standards. These programs work with federal, state, and local governments to develop ordinances that exceed statewide minimum requirements and complement incentive programs and utility information offerings to customers.</i></p> <p><i>National Codes and Standards specifically advocates for national building codes and appliance standards that support California by encouraging adoption of transformative technologies and construction processes. Alignment between national and state codes also helps reduce barriers to compliance by harmonizing the requirements across state borders.</i></p> |                                                                      |                                                                                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><br><i>Not applicable</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                      | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><br><i>Not applicable</i>                                                                                                                      |
| <b>Intervention Strategy:</b><br><br><i>Advocacy, data collection, and industry outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      | <b>Delivery Type:</b><br><br><i>Codes and Standards</i>                                                                                                                                                         |
| <b>Measurement and Verification Methods:</b><br><br><i>CPUC Codes and Standards Evaluation Protocols</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><br><i>\$600,571,892</i>                                                                                                                            |
| <b>Annual Budgets for 2028-2031:</b><br><br><i>2028: \$2,306,256<br/>2029: \$2,306,256<br/>2030: \$2,306,256</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      | <b>Cost Effectiveness for 2028-2031:</b><br><br><i>TRC: 1.68<br/>PAC: 65.10<br/>SCT Base: 2.38</i>                                                                                                              |

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| 2031: \$2,306,256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SCT High: 2.40<br>RIM: 0.41                                                                                                                                                                              |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>SW C&amp;S advocacy budgets are expected to remain constant, with adjustments between state appliance standards, state building codes advocacy, and national advocacy, depending on standards advancement opportunities</i>                                                                                                                                                                                                                                                                                          | <b>Market Actors necessary for success:</b><br><br><i>US Department of Energy; Environmental advocates; Manufacturers and industry groups; Other state governments; Utilities outside of California</i>  |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>C&amp;S deliverables and activities include, but are not limited to, comment letters and CASE studies and/or roadmap proposals, stakeholder engagement and coalition building, attendance and participation in public meetings, dissemination of compliance tools, coordination with other energy efficiency proponents (such as Natural Resources Defense Council and Appliance Standards Awareness Project), data modeling, lab 4 testing, legal consulting, industry outreach, field metering, building energy modeling, and product testing.</i> |                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>Broadened industry relationships and increased support for continuous upgrading of State and federal energy efficiency codes and standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>The C&amp;S advocacy programs leverage data generated in Code Readiness to advocate for standards advancement.</i>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Annual electric energy savings (GWh)</i><br><i>Annual electric peak demand reduction (MW)</i><br><i>Annual gas energy savings (MM therms)</i><br><i>Total System Benefit (\$)</i>                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Link to Existing Implementation Plan, if existing:</b><br><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Natl/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Natl/details/</a> |

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| <b>Program Name: National Codes &amp; Standards Advocacy - PGE Costs</b>                                                                                                     |                                                        |                                                                                                                                                                                                            |
| <b>Program ID:</b> PGE_SW_CSA_Natl_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                    | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$284,771</i><br><i>2029: \$294,838</i><br><i>2030: \$305,282</i><br><i>2031: \$316,189</i>                                 |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Natl_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_CSA_Natl_PA/details/</a> |

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| <b>Program Name: Compliance Improvement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| <b>Program ID: PGE21053</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Program Implementer Type:</b><br><br><i>IOU Core</i>                                                                                                                                                                                                               | <b>Third-Party Program Implementer:</b><br><i>Energy Solutions, Gabel Associates, Lisa McLain, Misti Bruceri and Associates, NORESKO, Selby Energy</i>                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                       | <b>Customer Group(s):</b><br><i>Cross-Cutting</i>                                                                                                                                                                                                                                           |
| <b>Sector Challenges:</b><br><br><i>Compliance is perceived as overly burdensome</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                       | <b>Sector Opportunities:</b><br><i>Empower market actors throughout the building energy code and appliance efficiency compliance supply chains with the knowledge, skills and resources they need to perform their work tasks. Continue to simplify and automate the compliance process</i> |
| <b>Brief Program Description:</b><br><i>The Codes and Standards (C&amp;S) Compliance Improvement (CI) program targets market actors throughout the entire compliance chain, providing education, outreach, technical support, and resources to improve compliance with Title 24, Part 6, Title 20, and federal EE regulations. CI program activities complement other C&amp;S program work by maximizing persistent savings from C&amp;S advocacy activities. The CI program drives higher Title 24, Part 6 and Title 20 compliance rates by enacting behavior change throughout the building and appliance efficiency supply chains. All program offerings are informed by and developed with market actors ranging from architects, energy consultants, plans examiners, installers, building inspectors on the building code side and manufacturers, distributors and retailers on the appliance side. Performance solutions are delivered under the Energy Code Ace banner (EnergyCodeAce.com) where users can register for training, complete on-line self-study courses at their leisure, use web-based tools that help Title 24, Part 6 and Title 20 Compliance Supply Chain automate their work tasks.</i> |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><br><i>People lack time and ability to access training and helpful resources</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Help is available to all who have internet access via <a href="http://www.energycodeace.com">www.energycodeace.com</a> and <a href="mailto:info@energycodeace.com">info@energycodeace.com</a></i> |                                                                                                                                                                                                                                                                                             |
| <b>Intervention Strategy:</b><br><i>Training, Web-based Tools, Technical Assistance, Outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><br><i>Non-Resource Program</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$6,567,290</i><br><i>2029: \$6,576,511</i><br><i>2030: \$6,586,079</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i>                                                                                                                                                             |                                                                                                                                                                                                                                                                                             |

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| 2031: \$6,596,005                                                                                                                                                                                                                                                                                                                      | SCT High: 0.00<br>RIM: 0.00                                                                                                                                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><br><i>Budget is expected to be relatively flat.</i>                                                                                                                                                                                                | <b>Market Actors necessary for success:</b><br><br><i>Architects; Energy Consultants; Plans Examiners; Installers; Building Inspectors; Manufacturers; Distributors; Retailers</i>         |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>N/A                                                                                                                                                                                                                                    |                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Prepare building and appliance industries for implementing existing and new Codes and Standards. Automate verification and completion of compliance forms submitted for permits and forms completed by installers. Improve appliance certification and verification process.</i> |                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Maximize compliance with existing and newly adopted building codes and appliance efficiency standards</i>                                                                                                                                                                                 |                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>The Compliance Improvement program provides input to the C&amp;S advocacy programs to consider compliance when developing new codes and standards.</i>                                                                              |                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br>250 courses delivered<br>5,000 market actors, reported in segments, complete courses (e.g. building officials, builders, architects, etc.)<br>23% average knowledge swing and 93% average satisfaction rating                                                                         |                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><br>None                                                                                                                                                                                                                                                 | <b>Link to Existing Implementation Plan, if existing:</b><br><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21053/details/">https://cedars.cpuc.ca.gov/programs/PGE21053/details/</a> |

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| <b>Program Name: Reach Codes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                         |                                                                                                                                                                                                                                                                                         |
| <b>Program ID: PGE21054</b><br><b>New / Existing: Existing</b><br><b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                         |                                                                                                                                                                                                                                                                                         |
| <b>Portfolio Segment:</b><br><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Program Implementer Type:</b><br><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><br><i>Frontier Energy, Misti Bruceri and Associates</i>                                                                                                                                                                                     |
| <b>Applicable Sector:</b><br><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         | <b>Customer Group(s):</b><br><br><i>Cross-Cutting</i>                                                                                                                                                                                                                                   |
| <b>Sector Challenges:</b><br><br><i>Need for a coordinated approach to provide consistent support across the state and reduce duplication of efforts and/or market confusion as more organizations offer support for jurisdictions.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         | <b>Sector Opportunities:</b><br><br><i>Provide effective and flexible tools to achieve local policy objectives through collaboration with cities, counties and stakeholders. Drive reach code development and adoption for long-term decarbonization and energy efficiency benefits</i> |
| <b>Brief Program Description:</b><br><br><i>The Reach Codes program helps cities and counties leverage their unique authority to adopt local energy ordinances that require increased efficiency and performance beyond the statewide Title 24 minimum requirements for new buildings, additions, or alterations. Local energy ordinances accelerate the adoption of new equipment, technologies, code compliance, and energy-savings strategies to help pave the way for future code cycles. Ordinances may modify portions of the building code, such as the energy, or green code requirements or may directly modify a municipal code such as a zoning or health and safety code.</i> |                                                         |                                                                                                                                                                                                                                                                                         |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><br><i>Local energy policies that increase up-front costs may disproportionately affect low- and middle-income residents</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><br><i>Include appropriate rates and considerations in analysis</i>                                                                                                                                                    |
| <b>Intervention Strategy:</b><br><br><i>Technical Assistance, outreach, and marketing</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         | <b>Delivery Type:</b><br><br><i>Codes and Standards</i>                                                                                                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><br><i>Non-Resource Program</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><br><i>\$0</i>                                                                                                                                                                                                              |
| <b>Annual Budgets for 2028-2031:</b><br><br><i>2028: \$2,403,541</i><br><i>2029: \$2,405,462</i><br><i>2030: \$2,407,455</i><br><i>2031: \$2,409,523</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         | <b>Cost Effectiveness for 2028-2031:</b><br><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                                                              |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><br><i>Budget is expected to be relatively flat but depends on local jurisdiction demand.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                         | <b>Market Actors necessary for success:</b><br><br><i>Local jurisdictions; Advocacy organizations; Builders, designers, and contractors; California Energy Commission</i>                                                                                                               |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                                                                                                                                                                                                                                                                                         |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Local energy ordinance adoption support</i>                                                                                                                                                                                                                 |                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Continue supporting energy use reductions and carbon emissions through local ordinances.</i>                                                                                                                                                                         |                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Continue to support interest in building electrification, both at the local level, and at the state.</i><br><i>Advancement of energy policy goals and increase code readiness for future code rulemakings.</i> |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i># of jurisdictions supported in PG&amp;E's service area.</i><br><i># of jurisdictions supported statewide.</i>                                                                                                                                                |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                         | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21054/details/">https://cedars.cpuc.ca.gov/programs/PGE21054/details/</a> |

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| <b>Program Name: Planning and Coordination</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                                                                                                                                        |
| <b>Program ID: PGE21055</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |                                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                                                                                                                                        |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>Energy Solutions, NORESKO, West Monroe</i>                                                                               |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     | <b>Customer Group(s):</b><br><i>Cross-Cutting</i>                                                                                                                      |
| <b>Sector Challenges:</b><br><i>Planning and operational complexities caused by the long-term nature of C&amp;S work and potential impacts on many other programs.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     | <b>Sector Opportunities:</b><br><i>Improved collective efficacy of code readiness, new construction, emerging technology, market transformation, and other efforts</i> |
| <b>Brief Program Description:</b><br><i>The Planning and Coordination (P&amp;C) program guides research for codes and standards advocacy and continuous innovation, supports collaboration between programs within the C&amp;S sector as well as interdepartmental and inter-IOU coordination. The program analyzes regulations that directly impact incentive programs, other utility lines of business, and affect industry change and market transformation. The P&amp;C program is designed to support advocacy and other C&amp;S programs which influence California's policy objectives. The planning element of this program includes: long-term planning and scenario analyses; modeling of impacts from potential C&amp;S program activities relative to California policy goals and incentive programs; development of business and implementation plans; responses to CPUC and other data requests; updating the incremental measure costs for C&amp;S measures; and maintenance of a C&amp;S savings database consistent with evaluation protocols. The coordination element includes internal and external coordination with other groups. Internal activities have traditionally included collaboration with several departments: voluntary programs, workforce education and training, emerging technologies, clean energy transportation and DR programs; decarbonization strategies, policy, and regulatory.</i> |                                                     |                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Not applicable</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Not applicable</i>                                                                                 |
| <b>Intervention Strategy:</b><br><i>Coalition building</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                    |
| <b>Measurement and Verification Methods:</b><br><i>Non-Resource Program</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,022,498</i><br><i>2029: \$1,024,035</i><br><i>2030: \$1,025,630</i><br><i>2031: \$1,027,284</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Budget is expected to be relatively flat.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E teams; Other utilities; Industry organizations</i>                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                                                                                                                                        |

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| N/A                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Coordination, analysis, reporting support within PG&amp;E and with other stakeholders to support program objectives.</i>                                                                                                                  |                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Effective collaboration between PG&amp;E programs, other EE portfolio administrators, and the California Market Transformation Administrator (CalMTA).</i>                                                                                         |                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program interacts with all other C&amp;S programs through strategy development and coordination.</i>                                                                                    |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Codes &amp; Standards Measure Database Updates: # of evaluation updates, CPUC decisions, and code/standard adoptions reflected in the C&amp;S Measure Database, ensuring current inputs for planning, analysis, and CPUC/CEC reporting.</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21055/details/">https://cedars.cpuc.ca.gov/programs/PGE21055/details/</a> |

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| <b>Program Name: Code Readiness</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE21056</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>West Monroe</i>                                                                                          |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Customer Group(s):</b><br><i>Cross-Cutting</i>                                                                                                      |
| <b>Sector Challenges:</b><br><i>Opposition to rulemakings with higher efficiency requirement codes &amp; standards</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Sector Opportunities:</b><br><i>Collect data which supports codes and standards advocacy</i>                                                        |
| <b>Brief Program Description:</b><br><i>The Code Readiness program accelerates achievement of state policy goals related to energy efficiency, decarbonization, and grid harmonization by supporting the adoption of new Codes &amp; Standards through data acquisition and industry outreach. Advanced technologies and new technologies are tested and demonstrated with the aim of collecting high-quality information and data needed to support future advocacy; specifically, test procedure representativeness, as well as measure cost-effectiveness, feasibility, and compliance efficacy. Code Readiness program activities include data collection, customer and contractor inducements, knowledge transfer, and marketing. All activities are aimed at future regulations and supplementing existing advocacy efforts.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Not applicable</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Not applicable</i>                                                                 |
| <b>Intervention Strategy:</b><br><i>Technical assistance, data collection</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                    |
| <b>Measurement and Verification Methods:</b><br><i>Non-Resource Program</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$10,083,648</i><br><i>2029: \$10,100,717</i><br><i>2030: \$10,120,937</i><br><i>2031: \$10,141,220</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Budget is expected to be relatively flat.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Conduct analysis and data collection to support future building code and appliance standards rulemakings.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |

*Achieve improved advocacy support. Greater market transformation and improved savings for the program.*

**Does this program interact with other programs in this PA portfolio? If so, describe:**

*Code Readiness supports the C&S advocacy programs. Code Readiness also coordinates with the SW New Construction Programs by collecting and analyzing select project data.*

**Program Metrics and Indicators (KPIs):**

*# of projects with regulatory objective(s) to support either Title 24, Title 20, DOE, or other Regulatory Stakeholders*

*# of Code Readiness recommendations not requested by C&S Advocacy teams that are included in a (1)*

*Title 24 CASE team workplan or report, or (2) are included in material docketed in a CA Title 24 proceeding*

*# of projects cited within CASE Reports, DOE Letters, and other submittals to Regulatory Stakeholders*

*# of projects for which key data collection is completed by the agreed upon deadline*

**Does this program utilize Integrated Demand Side Management (IDSM)?**

*None*

**Link to Existing Implementation Plan, if existing:**

<https://cedars.cpuc.ca.gov/programs/PGE21056/details/>

## Cross-Cutting Programs – Workforce Education & Training

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| <b>Program Name: WET Career Connections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                                                                                                                                                                                                 |
| <b>Program ID: PGE_SW_WET_CC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                                                                                                                                                                                                                                                                                                 |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>The Energy Coalition</i>                                                                                                                                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  | <b>Customer Group(s):</b><br><i>K-12 students and educators</i>                                                                                                                                                                                                                                                                 |
| <b>Sector Challenges:</b><br><i>EE not a state-required topic in K-12 education, students are generally not aware of energy careers, and K-12 educators have limited resources to support energy education and careers</i>                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Sector Opportunities:</b><br><i>Prepare and inspire students to enter the energy workforce that will help California achieve its greenhouse gas reduction and decarbonization goals</i>                                                                                                                                      |
| <b>Brief Program Description:</b><br><i>The Workforce Education and Training Career Connections Program will provide K-12 educators curriculum resources to increase their knowledge, skills, experience, and confidence in teaching energy topics and in preparing, inspiring, and supporting students to explore and enter energy career pathways.</i>                                                                                                                                                                                                |                                                                  |                                                                                                                                                                                                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>K-12 disadvantaged schools are more likely to have difficulty attracting and retaining high-quality, experienced educators. Students in disadvantaged schools are less likely to have access to the same resources available in non-disadvantaged schools.</i>                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Prioritize K-12 education provider participants to include at least 75% that are considered disadvantaged. Career Connections will provide resources that include addressing barriers for education providers and students identified as disadvantaged.</i> |
| <b>Intervention Strategy:</b><br><i>Grade- and learning-level-appropriate energy education and career pathway resources for K-12 educators and students, including teacher guides, student workbooks, and activities. Additional resources may include in-classroom support to educators and students in disadvantaged schools, and professional development training opportunities for educators. Partner with local departments of education, school staff, school district staff, postsecondary institutions, and community based organizations.</i> |                                                                  | <b>Delivery Type:</b><br><br><br><br><br><br><br><br><br><br><i>Downstream</i>                                                                                                                                                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                                                                                          |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$346,390</i><br><i>2029: \$346,390</i><br><i>2030: \$346,390</i><br><i>2031: \$346,390</i>                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i>                                                                                                                                                                                              |

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| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>No significant program design changes</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Market Actors necessary for success:</b><br><i>K-12 instructors at schools, afterschool programs, and community centers</i>                                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>K-12 instructors and program implementer</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                  |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Training materials, lessons supplies, online EE and clean energy learning resources</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><ul style="list-style-type: none"> <li>- Boost educator skills and confidence in teaching STEM and energy topics.</li> <li>- Improve student knowledge and abilities in STEM and energy careers.</li> <li>- Develop a strong pipeline for energy-focused education and careers.</li> <li>- Create a network of STEM organizations and local providers for career resources.</li> <li>- Encourage students to adopt sustainable, pro-environmental behaviors.</li> <li>- Integrate energy education and career pathways into statewide curricula.</li> </ul> |                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>no</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i># of schools reached; # of students participating in program; # of teachers participating in program; % of schools that are disadvantaged</i>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_CC/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_CC/details/</a> |

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| <b>Program Name: WET Career Connections - PGE Costs</b>                                                                                                                      |                                                        |                                                                                                                                                                                                        |
| <b>Program ID:</b> PGE_SW_WET_CC_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                   |                                                        |                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                  |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$8,680</i><br><i>2029: \$8,953</i><br><i>2030: \$9,235</i><br><i>2031: \$9,599</i>                                         |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_CC_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_CC_PA/details/</a> |

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| <b>Program Name: WET Career and Workforce Readiness</b>                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                                                                                                   |
| <b>Program ID: PGE_SW_WET_Work</b>                                                                                                                                                                                                                                                                                                                                                  |                                                                  |                                                                                                                                                                                                                                   |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                                                                                                   |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                                                                                                   |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                                                                                                                                          | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Strategic Energy Innovations</i>                                                                                                                                                    |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Customer Group(s):</b><br><i>Disadvantaged Workers</i>                                                                                                                                                                         |
| <b>Sector Challenges:</b><br><i>Disadvantaged workers with barriers to employment require additional support and resources to become aware of EE and electrification jobs and careers.</i>                                                                                                                                                                                          |                                                                  | <b>Sector Opportunities:</b><br><i>Support disadvantaged workers with barriers to employment in the energy efficiency and electrification workforce through training, tailored support, job placement and retention services.</i> |
| <b>Brief Program Description:</b><br><i>Career and Workforce Readiness provides disadvantaged workers with technical training, support services, job placement, and retention assistance to help them enter and succeed in the energy workforce. The program focuses on overcoming barriers to training and employment so participants can build sustainable careers in energy.</i> |                                                                  |                                                                                                                                                                                                                                   |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Disadvantaged workers have a wide range of barriers to receiving EE/electrification training and to entering and remaining in the EE/electrification workforce.</i>                                                                                                                                     |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>CWR is an equity program. All participants are disadvantaged workers</i>                                                                                      |
| <b>Intervention Strategy:</b><br><i>Leverage existing training programs and support service providers to train, support, and place disadvantaged workers into jobs.</i>                                                                                                                                                                                                             |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                        |
| <b>Measurement and Verification Methods:</b><br><i>TBD for 2026 onwards</i>                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                            |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$692,780</i><br><i>2029: \$692,780</i><br><i>2030: \$692,780</i><br><i>2031: \$692,780</i>                                                                                                                                                                                                                                        |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                            |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>no significant program design changes - Proposing incorporation of electrification focused training and additional data collection with measurement and verification of program impact. Solicitation of new implementor to be completed in 2026</i>                                           |                                                                  | <b>Market Actors necessary for success:</b><br><i>program-specific training partners, employers, and program participants</i>                                                                                                     |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                                                   |

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| <i>Subject matter expert instructors, wraparound service providers, and program implementer</i>                                                                                                                                                                                                                                    |                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>training materials, lessons supplies, support services, job placements</i>                                                                                                                                                                                                   |                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>Disadvantaged workers remain in the EE workforce; participating training organizations continue to use enhanced and improved training content; partnerships established between training organizations, case management providers, and employers continue beyond program duration</i> |                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>indirectly</i>                                                                                                                                                                                                                  |                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i># of partnerships; # of disadvantaged workers placed in training; # of disadvantaged workers placed in jobs; # of disadvantaged workers retained in jobs for 12 months</i>                                                                                                     |                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                          | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_Work/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_Work/details/</a> |

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| <b>Program Name: WET Career and Workforce Readiness - PGE Costs</b>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Program ID: PGE_SW_WET_Work_PA</b>                                                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                        |                                                                                                                                                                                                            |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                             |                                                        |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                   | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$11,137</i><br><i>2029: \$11,485</i><br><i>2030: \$11,846</i><br><i>2031: \$12,292</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                   |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_Work_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_WET_Work_PA/details/</a> |

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| <b>Program Name: WE&amp;T Integrated Energy Education and Training</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                                                                                                                                                                                                                                             |
| <b>Program ID: PGE21071</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                                                                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Customer Group(s):</b><br><i>Market Actors for the residential and non-residential building/facility sector</i>                                                                                                                                          |
| <b>Sector Challenges:</b><br><i>The incumbent workforce requires ongoing technical upskill as building codes and technologies change. Enrolling in traditional multi-week and multi-year post-secondary institution degree programs is not a viable option for almost all the incumbent workforce.</i>                                                                                                                                                   |                                                     | <b>Sector Opportunities:</b><br><i>Keep incumbent and incoming workforce informed about how to decarbonize buildings and facilities through energy efficiency and electrification best practices.</i>                                                       |
| <b>Brief Program Description:</b><br><i>Integrated Energy Education &amp; Training provides technical upskilling and resources to California's incumbent energy workforce to design, build, operate, and maintain energy-efficient and decarbonized buildings. IEET also collaborates with post-secondary institutions and professional organizations to enhance energy efficiency training and support the next generation of energy professionals.</i> |                                                     |                                                                                                                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Disadvantaged workers have a wide range of barriers to receiving EE/electrification training and to entering and remaining in the EE/electrification workforce.</i>                                                                                                                                                                                                          |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>n/a: not an equity program. IEET provides no-cost training and tracks disadvantaged worker participation and has a target for 60% of participants qualify as disadvantaged workers.</i> |
| <b>Intervention Strategy:</b><br><i>Market-actor-focused EE and electrification training to teach market actors how to reduce energy use, to shift demand, and to electrify buildings and building systems. Collaborate with other organizations that have a similar purpose.</i>                                                                                                                                                                        |                                                     | <b>Delivery Type:</b><br><br><i>Downstream</i>                                                                                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>n/a</i>                                                                                                                                                                                                                                                                                                                                                                                               |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$6,737,267</i><br><i>2029: \$6,781,160</i><br><i>2030: \$6,826,699</i><br><i>2031: \$6,873,946</i>                                                                                                                                                                                                                                                                                                     |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                                      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>no significant program design changes</i>                                                                                                                                                                                                                                                                                                                          |                                                     | <b>Market Actors necessary for success:</b><br><i>Incumbent EE and electrification workforce designing, building, operating, and maintaining</i>                                                                                                            |

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|                                                                                                                                                                                                                                                                                                                                                                                       | <i>residential and non-residential buildings and facilities, including, but not limited to Engineers, Architects / Designers, General Contractors, Building Operators, Developers, Builders, HVAC Contractors, Plumbing Contractors, Building Inspectors</i> |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Subject matter expert instructors, and program implementer</i>                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Online and in-person training sessions, training materials and supplies, building diagnostics tool loans, collaborations with external organizations</i>                                                                                                                                                                        |                                                                                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Incumbent workforce members remain competitive with gained technical knowledge and skills; program participants use knowledge and skills for their projects; program participants use building diagnostics equipment in their projects; collaborating organizations integrate EE training into their programs and expand their reach</i> |                                                                                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>WE&amp;T IEET informs program participants of other relevant PG&amp;E EE programs</i>                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i># of collaborations, # of participants by sector, % of participation relative to target population, % of program participants that are disadvantaged workers; # of CWR participants employed for 12 months after receiving training</i>                                                                                           |                                                                                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                                                                             | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21071/details/">https://cedars.cpuc.ca.gov/programs/PGE21071/details/</a>                                                                       |

## Cross-Cutting Programs – Finance

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| <b>Program Name: Financing Loan Pool Addition</b>                                                                                                                                                                                   |                                                        |                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_LoanPool<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                                                                              |                                                        |                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                            | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                   |                                                        | <b>Customer Group(s):</b><br><i>Non-Residential</i>                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                                                                                             |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>This is the On-Bill Financing Revolving Loan Pool. This is not a program itself, but is used to track loan pool additions, loan payments, and loan disbursements for financed projects.</i> |                                                        |                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                 |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                         |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                          |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$0</i><br><i>2029: \$0</i><br><i>2030: \$0</i><br><i>2031: \$0</i>                                                                                                                |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                       |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                          |                                                        |                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                                                                                       |                                                        |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                                                                                                |                                                        |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                          |                                                        |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                                                                                         |                                                        |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                           |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_LoanPool/details/">https://cedars.cpuc.ca.gov/programs/PGE_LoanPool/details/</a> |

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| <b>Program Name: On-Bill Financing Alternative Pathway</b>                                                                                                                                                                                                                                                                                                                               |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>Program ID: PGE_OBFAP</b>                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                       | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                    |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Customer Group(s):</b><br><i>Non-Residential - Commercial, Industrial Public, Agricultural</i>                                                                                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>Lack of awareness and participation in the OBF program</i>                                                                                                                                                                                                                                                                                               |                                                     | <b>Sector Opportunities:</b><br><i>OBF assists customers who may face challenges qualifying for commercial credit by enabling them to overcome initial cost barriers to energy efficiency investment. This approach facilitates greater long-term savings and contributes to PG&amp;E's energy reduction objectives.</i> |
| <b>Brief Program Description:</b><br><i>OBF is a key enabler of energy savings across customer classes, providing zero-percent financing for qualifying EE retrofits, with loan payments appearing as fixed monthly charges on the customer's PG&amp;E bill.</i>                                                                                                                         |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                      |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>Financing and Incentives</i>                                                                                                                                                                                                                                                                                                                         |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                                                                                                    |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$78,717,466</i>                                                                                                                                                                                                                                          |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,954,152</i><br><i>2029: \$1,988,392</i><br><i>2030: \$2,012,621</i><br><i>2031: \$2,042,436</i>                                                                                                                                                                                                                                     |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.70</i><br><i>PAC: 3.30</i><br><i>SCT Base: 0.98</i><br><i>SCT High: 0.98</i><br><i>RIM: 0.78</i>                                                                                                                                                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                  |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E Account Representatives and PG&amp;E's Trade Professional Alliance Program</i>                                                                                                                                                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>PG&amp;E will continue to provide support and training to our PG&amp;E Account Representatives, PG&amp;E's Trade Professional Alliance Program, and third-party implementers as the OBF program evolves and targets measures that align with decarbonization and electrification.</i> |                                                     |                                                                                                                                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b>                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                                                                                                                                                                                          |

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| <i>This program will focus on providing financing for projects that include EV infrastructure, battery storage, building electrification, and traditional energy efficiency measures.</i>                                                             |                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>This program will focus on providing financing for projects that include EV infrastructure, battery storage, building electrification, and traditional energy efficiency measures.</i>                   |                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Yes, this program coordinates and supports RENs and CCAs that operate within PG&amp;E's Territory.</i>                                             |                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Program Metrics for OBF include</i><br><i>-High customer satisfaction</i><br><i>-Budget and TSB accuracy</i><br><i>-High realization rates for Pop-NMEC projects</i><br><i>-Low default rates</i> |                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                             | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_OBFAP/details/">https://cedars.cpuc.ca.gov/programs/PGE_OBFAP/details/</a> |

## Cross-Cutting Programs – Other

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| <b>Program Name: Innovation-enabling Market Support Program Placeholder</b>                                                                                                                                      |                                                     |                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_CC_001<br><b>New / Existing:</b> New<br><b>Expected Program Duration:</b> 2028 - onwards                                                                                                  |                                                     |                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                                                                |                                                     | <b>Customer Group(s):</b><br><i>All</i>                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>Trying innovative approaches can put implementers at financial risk if the approach fails.</i>                                                                                   |                                                     | <b>Sector Opportunities:</b><br><i>Fund pilots of innovative approaches with outside funds before scaling an approach within the implementer programs.</i>                                     |
| <b>Brief Program Description:</b><br><i>Innovation-enabling MS funds that can be tapped by other program implementers to pilot new end-use technologies within their existing program structures</i>             |                                                     |                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                              |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>TBD</i>                                                                                                                                                                      |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom, NMEC</i>                                                                                                                                      |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,500,000</i><br><i>2029: \$1,500,000</i><br><i>2030: \$1,500,000</i><br><i>2031: \$1,500,000</i>                                                             |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate continuation of similar budget for this program for the 2032-2035 period, dependent on program performance.</i> |                                                     | <b>Market Actors necessary for success:</b><br><br><i>Program Implementers</i>                                                                                                                 |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                       |                                                     |                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased testing of innovative approaches.</i>                                                                                                            |                                                     |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Improved innovation within the EE portfolio</i>                                                                                                                     |                                                     |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program provides outside funding to existing programs to try innovative approaches and technologies.</i> |                                                     |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TBD</i>                                                                                                                                                      |                                                     |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>TBD</i>                                                                                                                         |                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_CC_001/details/">https://cedars.cpuc.ca.gov/programs/PGE_CC_001/details/</a> |

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| <b>Program Name: PGE EM&amp;V</b>                                                                                                                    |                                                        |                                                                                                                                                                                              |
| <b>Program ID: PGE_EMV_001</b>                                                                                                                       |                                                        |                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                        |                                                                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                     |                                                        |                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>EM&amp;V</i>                                                                                                         | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                    |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                   |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's EM&amp;V Costs</i>                                                       |                                                        |                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,489,052</i><br><i>2029: \$2,501,282</i><br><i>2030: \$2,496,653</i><br><i>2031: \$2,507,389</i> |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                        |                                                        |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                 |                                                        |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                          |                                                        |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                            |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_EMV_001/details/">https://cedars.cpuc.ca.gov/programs/PGE_EMV_001/details/</a> |

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| <b>Program Name: CPUC EM&amp;V</b>                                                                                                                   |                                                        |                                                                                                                                                                                              |
| <b>Program ID: PGE_EMV_002</b>                                                                                                                       |                                                        |                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                        |                                                                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                     |                                                        |                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>EM&amp;V</i>                                                                                                         | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                    |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                   |
| <b>Brief Program Description:</b><br><i>This program ID captures the CPUC's EM&amp;V Costs</i>                                                       |                                                        |                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$6,562,045</i><br><i>2029: \$6,594,289</i><br><i>2030: \$6,582,086</i><br><i>2031: \$6,610,388</i> |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                        |                                                        |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                 |                                                        |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                          |                                                        |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                            |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_EMV_002/details/">https://cedars.cpuc.ca.gov/programs/PGE_EMV_002/details/</a> |

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| <b>Program Name: IOU REN/CCA Admin Costs</b>                                                                                                                   |                                                        |                                                                                                                                                                                                          |
| <b>Program ID: PGE_OtherPA_Admin</b><br><b>New / Existing: Existing</b><br><b>Expected Program Duration: 2021 - onwards</b>                                    |                                                        |                                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                       | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                    |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                          |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                        |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                               |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's costs to coordinate, act as a fiscal agent, and provide data to RENs and CCAs.</i> |                                                        |                                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                            |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                    |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                     |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                   |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$220,040</i><br><i>2029: \$228,291</i><br><i>2030: \$236,852</i><br><i>2031: \$245,734</i>                   |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                  |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                     |                                                        |                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                  |                                                        |                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                           |                                                        |                                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                     |                                                        |                                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>-High customer satisfaction</i>                                                                            |                                                        |                                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                      |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_OtherPA_Admin/details/">https://cedars.cpuc.ca.gov/programs/PGE_OtherPA_Admin/details/</a> |

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| <b>Program Name: Emerging Technologies Program, Electric</b>                                                                                         |                                                                  |                                                                                                                                                                                                      |
| <b>Program ID: PGE_SW_ETP_Elec</b>                                                                                                                   |                                                                  |                                                                                                                                                                                                      |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                                      |
| <b>Expected Program Duration: 2022 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                                      |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                   | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Energy Solutions</i>                                                                                                                                   |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                    |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                                      |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                                   |
| <b>Brief Program Description:</b><br><i>SCE is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>          |                                                                  |                                                                                                                                                                                                      |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                           |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$4,880,700</i><br><i>2029: \$4,880,700</i><br><i>2030: \$4,880,700</i><br><i>2031: \$4,880,700</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Elec/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Elec/details/</a> |

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| <b>Program Name: Emerging Technologies Program, Electric - PGE Costs</b>                                                                                                     |                                                        |                                                                                                                                                                                                            |
| <b>Program ID:</b> PGE_SW_ETP_Elec_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2022 - onwards                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                     |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$34,763</i><br><i>2029: \$35,985</i><br><i>2030: \$37,254</i><br><i>2031: \$38,641</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Elec_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Elec_PA/details/</a> |

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| <b>Program Name: Emerging Technologies Program, Gas</b>                                                                                              |                                                                  |                                                                                                                                                                                                    |
| <b>Program ID: PGE_SW_ETP_Gas</b>                                                                                                                    |                                                                  |                                                                                                                                                                                                    |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                                    |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                                    |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                   | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>ICF</i>                                                                                                                                              |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                    |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                                    |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                                 |
| <b>Brief Program Description:</b><br><i>SCG is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>          |                                                                  |                                                                                                                                                                                                    |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                                |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                         |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,597,125</i><br><i>2029: \$1,597,125</i><br><i>2030: \$1,597,125</i><br><i>2031: \$1,597,125</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                             |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                                  |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                    |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                                    |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                                    |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                    |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                                    |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Gas/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Gas/details/</a> |

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| <b>Program Name: Emerging Technologies Program, Gas - PGE Costs</b>                                                                                                          |                                                        |                                                                                                                                                                                                          |
| <b>Program ID:</b> PGE_SW_ETP_Gas_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                  |                                                        |                                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                    |
| <b>Applicable Sector:</b><br><i>Cross Cutting</i>                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                          |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                      |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                   |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$30,664</i><br><i>2029: \$31,733</i><br><i>2030: \$32,842</i><br><i>2031: \$34,064</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                        |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Gas_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_ETP_Gas_PA/details/</a> |

## Industrial Programs

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| <b>Program Name: Industrial Strategic Energy Management - Food Processing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                              |
| <b>Program ID: PGE_Ind_001a</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                              |
| <b>Expected Program Duration: 2018 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                        |                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Implementer Type:</b><br><i>Third/Local Party</i>                                                                                           | <b>Third-Party Program Implementer:</b><br><i>CLEAResult Consulting</i>                                                                                      |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                        | <b>Customer Group(s):</b><br><i>Food Processing</i>                                                                                                          |
| <b>Sector Challenges:</b><br><i>Existing food processing facilities lack comprehensive understanding of how energy usage impacts energy costs and potential for energy savings</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                        | <b>Sector Opportunities:</b><br><i>Long-term engagement with food processing facilities to utilize meter-based methodology in determining energy savings</i> |
| <b>Brief Program Description:</b><br><i>The SEM Food Processing Program is a whole facility approach that uses meter-based and dynamic baseline models to determine energy savings from all program activities at the facility, including capital projects, custom and deemed calculated retrofits, maintenance and operation, and retro-commissioning projects. The program requires a multi-year customer commitment to participate in multiple cohort-type training workshops, individual or cohort energy analysis, and Evaluation and Measurement (M&amp;V) activities based on information and characteristics of the facility's specific processes.</i> |                                                                                                                                                        |                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                            |                                                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>SEM Food Processing will utilize a cohort format for training workshops and a mix of individual and cohort site activities</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |                                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>Majority meter-based modeling, engineering calculations when appropriate</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$118,458,221</i>                                                                       |                                                                                                                                                              |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$5,044,209</i><br><i>2029: \$5,048,010</i><br><i>2030: \$5,068,434</i><br><i>2031: \$5,090,905</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 4.06</i><br><i>PAC: 5.92</i><br><i>SCT Base: 5.46</i><br><i>SCT High: 5.47</i><br><i>RIM: 0.69</i> |                                                                                                                                                              |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Market Actors necessary for success:</b><br><i>PG&amp;E Account Representatives</i>                                                                 |                                                                                                                                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        |                                                                                                                                                              |

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| <i>PG&amp;E intends to coordinate customer outreach through PG&amp;E Account Executives to recruit facilities to participate. External technical assistance will be critical for assistance with establishing a Strategic Energy Management (SEM) approach</i> |                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Identify, implement, and track organizational and operational changes that will help save energy at participating facilities for each program cycle</i>                                                  |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Continued customer engagement beyond the three two-year program cycles to advance participant EE projects and enhance IDSM fundamentals</i>                                                                       |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program may coordinate with other third-party programs serving the industrial sector to ensure no double dipping</i>                                   |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, project engineering quality, program data quality, customer satisfaction</i>                                                                             |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Ind_001a/details/">https://cedars.cpuc.ca.gov/programs/PGE_Ind_001a/details/</a> |

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| <b>Program Name: Industrial Strategic Energy Management - Manufacturing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |                                                                                                                                                            |
| <b>Program ID: PGE_Ind_001b</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                            |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                            |
| <b>Expected Program Duration: 2018 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>Third/Local Party</i> | <b>Third-Party Program Implementer:</b><br><i>Leidos Engineering</i>                                                                                       |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              | <b>Customer Group(s):</b><br><i>Manufacturing</i>                                                                                                          |
| <b>Sector Challenges:</b><br><i>Existing manufacturing facilities lack comprehensive understanding of how energy usage impacts energy costs and potential for energy savings</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              | <b>Sector Opportunities:</b><br><i>Long-term engagement with manufacturing facilities to utilize meter-based methodology in determining energy savings</i> |
| <b>Brief Program Description:</b><br><i>The SEM Manufacturing Program is a whole facility approach that uses meter-based and dynamic baseline models to determine energy savings from all program activities at the facility, including capital projects, custom and deemed calculated retrofits, maintenance and operation, and retro-commissioning projects. The program requires a multi-year customer commitment to participate in multiple individual training workshops, energy analysis, and Evaluation and Measurement (M&amp;V) activities based on information and characteristics of the facility's specific processes.</i> |                                                              |                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                |
| <b>Intervention Strategy:</b><br><i>SEM Manufacturing will utilize an individual format for training workshops and site activities</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Majority meter-based modeling, engineering calculations when appropriate</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$188,530,561</i>                                                                           |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$9,765,364</i><br><i>2029: \$9,805,785</i><br><i>2030: \$9,804,413</i><br><i>2031: \$9,804,519</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                              | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 4.92</i><br><i>PAC: 4.92</i><br><i>SCT Base: 6.57</i><br><i>SCT High: 6.59</i><br><i>RIM: 0.64</i>     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              | <b>Market Actors necessary for success:</b><br><i>PG&amp;E Account Representatives</i>                                                                     |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>PG&amp;E intends to coordinate customer outreach through PG&amp;E Account Executives to recruit facilities to participate. External technical assistance will be critical for assistance with establishing a Strategic Energy Management (SEM) approach</i>                                                                                                                                                                                                                                                                         |                                                              |                                                                                                                                                            |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Identify, implement, and track organizational and operational changes that will help save energy at participating facilities for each program cycle</i>                |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Continued customer engagement beyond the three two-year program cycles to advance participant EE projects and enhance IDSM fundamentals</i>                                     |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program may coordinate with other third-party programs serving the industrial sector to ensure no double dipping</i> |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, project engineering quality, program data quality, customer satisfaction</i>                                           |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Ind_001b/details/">https://cedars.cpuc.ca.gov/programs/PGE_Ind_001b/details/</a> |

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| <b>Program Name: Manufacturing and Food Processing Efficiency Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                                                                               |
| <b>Program ID: PGE_Ind_003</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                |                                                                                                                                                               |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |                                                                                                                                                               |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                |                                                                                                                                                               |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                               | <b>Third-Party Program Implementer:</b><br><i>Cascade Energy</i>                                                                                              |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                | <b>Customer Group(s):</b><br><i>Manufacturing and Food Processing market segments and serves customers of all sizes within these segments.</i>                |
| <b>Sector Challenges:</b><br><i>Cost-effective project scoping and implementation, particularly where equipment is not past useful life, but building code has evolved</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                | <b>Sector Opportunities:</b><br><i>Reduce market barriers and influence project implementation for industrial manufacturing and food processing customers</i> |
| <b>Brief Program Description:</b><br><i>ISOP is an opt-in, single-point-of-contact delivery model for industrial manufacturing and food processing customers focused on training, retro-commissioning, and capital projects with systems-level optimization. ISOP serves all eligible customers via two tiers: an enhanced track that includes energy management coaching, energy management and collaboration software, and ongoing energy coach support to drive projects; and a standard track for customers with less ability or time to commit to the enhanced track that includes regular energy coach touchpoints and technical support to identify and implement projects. ISOP includes all relevant savings platforms: deemed, custom, NMEC, and On-Bill Financing.</i> |                                                                                                                                |                                                                                                                                                               |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                    |                                                                                                                                                               |
| <b>Intervention Strategy:</b><br><i>Incentive/rebate, Finance, Audit, Technical Assistance, Training, Marketing and Outreach/Information</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                     |                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$25,644,996</i>                                                |                                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,735,998<br/>2029: \$3,729,733<br/>2030: \$3,730,829<br/>2031: \$3,731,435</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.20<br/>PAC: 1.70<br/>SCT Base: 1.81<br/>SCT High: 1.82<br/>RIM: 0.69</i> |                                                                                                                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, depending on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Market Actors necessary for success:</b><br><i>Customer corporate executives, facility engineers and managers.</i>          |                                                                                                                                                               |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Customer's internal workforce or externally contracted and licensed trade professionals.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                |                                                                                                                                                               |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>TSB, TRC (1.3+), cost effectiveness,</i>                                                                                                                                                                              |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Support long term EE goals for PG&amp;E and CPUC</i>                                                                                                                                                                           |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                                  |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, deemed project measure install pass rate, program data quality, HTR energy savings, DAC energy savings, customer satisfaction</i> |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Ind_003/details/">https://cedars.cpuc.ca.gov/programs/PGE_Ind_003/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ind - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Ind_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Customer Group(s):</b><br><i>Industrial, Non-Res</i>                                                                                                |
| <b>Sector Challenges:</b><br><i>Ind Electrification remains rare with Technology advancement continuing to develop.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$20,814</i>                                                                            |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$191,721</i><br><i>2029: \$203,977</i><br><i>2030: \$42,172</i><br><i>2031: \$43,499</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.06</i><br><i>PAC: 0.04</i><br><i>SCT Base: 0.06</i><br><i>SCT High: 0.06</i><br><i>RIM: 0.04</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for industrial building project</i>  |                                                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for industrial building project</i> |                                                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                    |                                                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB forecast accuracy, custom project engineering quality, deemed project measure install pass rate.</i>                                  |                                                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>EE/DR</i>                                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_electric/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ind - All Electric - PGE Costs</b>                                                                                    |                                                                                                                                                                                                                                        |                                                |
| <b>Program ID:</b> PGE_SW_NC_NonRes_Ind_electric_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2021 - onwards                        |                                                                                                                                                                                                                                        |                                                |
| <b>Portfolio Segment:</b><br>Market Support                                                                                                                       | <b>Program Implementer Type:</b><br>Non-Program                                                                                                                                                                                        | <b>Third-Party Program Implementer:</b><br>N/A |
| <b>Applicable Sector:</b><br>Industrial                                                                                                                           | <b>Customer Group(s):</b><br>Non-Program                                                                                                                                                                                               |                                                |
| <b>Sector Challenges:</b><br>Non-Program                                                                                                                          | <b>Sector Opportunities:</b><br>Non-Program                                                                                                                                                                                            |                                                |
| <b>Brief Program Description:</b><br>The program ID captures the PG&E program administrator costs for the related statewide program, but is not a program itself. |                                                                                                                                                                                                                                        |                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br>Non-Program                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br>Non-Program                                                                                                                                                           |                                                |
| <b>Intervention Strategy:</b><br>Non-Program                                                                                                                      | <b>Delivery Type:</b><br>Downstream                                                                                                                                                                                                    |                                                |
| <b>Measurement and Verification Methods:</b><br>Non-Program                                                                                                       | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br>\$0                                                                                                                                                                        |                                                |
| <b>Annual Budgets for 2028-2031:</b><br>2028: \$26,541<br>2029: \$27,514<br>2030: \$28,531<br>2031: \$29,600                                                      | <b>Cost Effectiveness for 2028-2031:</b><br>TRC: 0.00<br>PAC: 0.00<br>SCT Base: 0.00<br>SCT High: 0.00<br>RIM: 0.00                                                                                                                    |                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br>Non-Program                                                                    | <b>Market Actors necessary for success:</b><br>Non-Program                                                                                                                                                                             |                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                        |                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br>Non-Program                                                                                                    |                                                                                                                                                                                                                                        |                                                |
| <b>Long Term Outcome (5-10 years):</b><br>Non-Program                                                                                                             |                                                                                                                                                                                                                                        |                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                        |                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br>Non-Program                                                                                                      |                                                                                                                                                                                                                                        |                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>None                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_electric_PA/details/</a> |                                                |

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| <b>Program Name: SW New Construction NonRes Ind - Mixed Fuel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                 |
| <b>Program ID: PGE_SW_NC_NonRes_Ind_mixed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                 |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                       |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Customer Group(s):</b><br><i>Industrial, Non-Res</i>                                                                                         |
| <b>Sector Challenges:</b><br><i>Ind Electrification remains rare with Technology advancement continuing to develop. Availability of electric alternatives to gas equipment for certain agricultural and industrial processes is lacking.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i> |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                      |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                      |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$255,731</i>                                                                    |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$141,457<br/>2029: \$128,015<br/>2030: \$169,236<br/>2031: \$175,353</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.58<br/>PAC: 0.43<br/>SCT Base: 0.87<br/>SCT High: 0.87<br/>RIM: 0.34</i>                  |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                            |

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| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for industrial building project</i>                                                                                                                           |                                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for industrial building project</i>                                                                                                                          |                                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                                                                                                                                    |                                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB forecast accuracy, custom project engineering quality, deemed project measure install pass rate.</i>                                                                                                                                                           |                                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                                                                                                                                    | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_mixed/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_mixed/details/</a> |

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| <b>Program Name: SW New Construction NonRes Ind - Mixed Fuel - PGE Costs</b>                                                                                                 |                                                                                                                                                                                                                                  |                                                       |
| <b>Program ID: PGE_SW_NC_NonRes_Ind_mixed_PA</b>                                                                                                                             |                                                                                                                                                                                                                                  |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                                  |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                                  |                                                       |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                                           | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                               | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                                  |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                               |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                                  |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                              |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                       |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                           |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,434</i><br><i>2029: \$27,414</i><br><i>2030: \$28,431</i><br><i>2031: \$29,500</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                           |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                                |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                  |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                                  |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                                  |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                  |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                                  |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_mixed_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Ind_mixed_PA/details/</a> |                                                       |

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| <b>Program Name: Industrial Calculated Incentives</b>                                                                                                                                                                                                                                                                                                                    |                                                     |                                                                                                                                                             |
| <b>Program ID: PGE21021</b>                                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                 | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                                       |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                           |                                                     | <b>Customer Group(s):</b><br><i>Industrial</i>                                                                                                              |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                                                    |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                  |
| <b>Brief Program Description:</b><br><i>The Industrial Calculated Incentives program provides custom incentives for non-residential EE retrofit and new construction projects involving the installation of high-efficiency equipment or systems. This is a legacy Program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs.</i> |                                                     |                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                                                      |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i> |
| <b>Intervention Strategy:</b><br><i>Incentives, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                                                           |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>Custom Calculated</i>                                                                                                                                                                                                                                                                                                 |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$31,636</i><br><i>2029: \$31,885</i><br><i>2030: \$32,143</i><br><i>2031: \$32,411</i>                                                                                                                                                                                                                                 |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                                                           |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                               |                                                     |                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                |                                                     |                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                             |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b>                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                             |

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| <i>No, this program is intended for use solely when a third-party solution is unavailable.</i>                                                                                            |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, custom project engineering quality, program data quality, customer satisfaction</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                 | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21021/details/">https://cedars.cpuc.ca.gov/programs/PGE21021/details/</a> |

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| <b>Program Name: Industrial Deemed Incentives</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |                                                                                                                                                             |
| <b>Program ID: PGE21022</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                                                                                                             |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                                                                                                                                             |
| <b>Expected Program Duration: 2016 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                                                                                                                             |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>n/a</i>                                                                                                       |
| <b>Applicable Sector:</b><br><i>Industrial</i>                                                                                                                                                                                                                                                                                                                                                                                          |                                                     | <b>Customer Group(s):</b><br><i>Industrial</i>                                                                                                              |
| <b>Sector Challenges:</b><br><i>This is a legacy program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs</i>                                                                                                                                                                                                                                                                                   |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                  |
| <b>Brief Program Description:</b><br><i>The Industrial Deemed Incentives Program provides rebates for the installation of new EE equipment and measures. Deemed retrofit measures have fixed incentive amounts per unit/ measure and are intended for projects that have well-defined energy and demand savings. This is a legacy Program implemented by PG&amp;E, and it will be ramping down to accommodate third-party programs.</i> |                                                     |                                                                                                                                                             |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                                                                                                                                                                                                                                                                     |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i> |
| <b>Intervention Strategy:</b><br><i>Rebates, Technical Assistance, and customer support</i>                                                                                                                                                                                                                                                                                                                                             |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                           |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$31,636</i><br><i>2029: \$31,885</i><br><i>2030: \$32,143</i><br><i>2031: \$32,411</i>                                                                                                                                                                                                                                                                                                |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>      |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a similar budget for this program for the 2032-2035 period, dependent on ramp down status</i>                                                                                                                                                                                                                                          |                                                     | <b>Market Actors necessary for success:</b><br><i>PG&amp;E is not actively marketing this program to accommodate third-party programs</i>                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                                                                                                             |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                               |                                                     |                                                                                                                                                             |
| <b>Long Term Outcome (5-10 years):</b><br><i>Closeout projects to meet customer expectations</i>                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                                                                                                                             |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b>                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                                                                                                                             |

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| <i>No, this program is intended for use solely when a third-party solution is unavailable.</i>                                                                                                  |                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost effectiveness, TSB/budget forecast accuracy, deemed project measure install pass rate, program data quality, customer satisfaction</i> |                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE21022/details/">https://cedars.cpuc.ca.gov/programs/PGE21022/details/</a> |

## Portfolio Support Programs

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| <b>Program Name: GRC Labor Loaders - Codes and Standards</b>                                                                                                                                                                                                        |                                                        |                                                                                                                                                                                                                |
| <b>Program ID: PGE_CS_GRC_Overheads</b>                                                                                                                                                                                                                             |                                                        |                                                                                                                                                                                                                |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                     |                                                        |                                                                                                                                                                                                                |
| <b>Expected Program Duration: 2023 - onwards</b>                                                                                                                                                                                                                    |                                                        |                                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                                                                                                                               |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                                                                                                                             |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>This program ID captures an estimate of PG&amp;E's Overhead Costs for labor that are collected in the GRC and that are allocated to the C&amp;S Segment. These costs are used for cost effectiveness calculations only.</i> |                                                        |                                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                 |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                                                         |                                                        | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                            |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                          |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,950,686</i><br><i>2029: \$2,025,546</i><br><i>2030: \$2,119,271</i><br><i>2031: \$2,204,183</i>                                                                                                                |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                       |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                          |                                                        |                                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                                                                                                                       |                                                        |                                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                                                                                                                                |                                                        |                                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                          |                                                        |                                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                                                                                                                         |                                                        |                                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                           |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_CS_GRC_Overheads/details/">https://cedars.cpuc.ca.gov/programs/PGE_CS_GRC_Overheads/details/</a> |

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| <b>Program Name: Codes &amp; Standards Portfolio Support PA Costs</b>                                                                                 |                                                        |                                                                                                                                                                                                                      |
| <b>Program ID: PGE_CS_PortfolioSupport</b>                                                                                                            |                                                        |                                                                                                                                                                                                                      |
| <b>New / Existing: Existing</b>                                                                                                                       |                                                        |                                                                                                                                                                                                                      |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                      |                                                        |                                                                                                                                                                                                                      |
| <b>Portfolio Segment:</b><br><i>Codes &amp; Standards</i>                                                                                             | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                 |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                      |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                               |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's Portfolio Support PA Costs that are allocated to the C&amp;S Segment.</i> |                                                        |                                                                                                                                                                                                                      |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                   |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                          |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                           |                                                        | <b>Delivery Type:</b><br><i>Codes and Standards</i>                                                                                                                                                                  |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                            |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,273,799</i><br><i>2029: \$3,335,706</i><br><i>2030: \$3,425,936</i><br><i>2031: \$3,497,577</i>  |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                         |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                            |                                                        |                                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                  |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                            |                                                        |                                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                           |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                            |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_CS_PortfolioSupport/details/">https://cedars.cpuc.ca.gov/programs/PGE_CS_PortfolioSupport/details/</a> |

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| <b>Program Name: GRC Labor Loaders - Equity</b>                                                                                                                                                                                                                    |                                                        |                                                                                                                                                                                                                        |
| <b>Program ID:</b> PGE_Equity_GRC_Overheads<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2023 - onwards                                                                                                                                 |                                                        |                                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                  |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                                                                                                                            |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                             |
| <b>Brief Program Description:</b><br><i>This program ID captures an estimate of PG&amp;E's Overhead Costs for labor that are collected in the GRC and that are allocated to the Equity Segment. These costs are used for cost effectiveness calculations only.</i> |                                                        |                                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                            |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                                                        |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                         |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$933,330</i><br><i>2029: \$936,604</i><br><i>2030: \$946,063</i><br><i>2031: \$981,956</i>                                                                                                                       |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                      |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                         |                                                        |                                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                                                                                                                      |                                                        |                                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                                                                                                                               |                                                        |                                                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                         |                                                        |                                                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                                                                                                                        |                                                        |                                                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                                                                                                         |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Equity_GRC_Overheads/details/">https://cedars.cpuc.ca.gov/programs/PGE_Equity_GRC_Overheads/details/</a> |

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| <b>Program Name: Equity Portfolio Support PA Costs</b>                                                                                               |                                                        |                                                                                                                                                                                                                              |
| <b>Program ID: PGE_Equity_PortfolioSupport</b>                                                                                                       |                                                        |                                                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                        |                                                                                                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                     |                                                        |                                                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                                   |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's Portfolio Support PA Costs that are allocated to the Equity Segment.</i> |                                                        |                                                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,566,390</i><br><i>2029: \$1,542,416</i><br><i>2030: \$1,529,371</i><br><i>2031: \$1,558,159</i> |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                        |                                                        |                                                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                 |                                                        |                                                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                           |                                                        |                                                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                          |                                                        |                                                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                           |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Equity_PortfolioSupport/details/">https://cedars.cpuc.ca.gov/programs/PGE_Equity_PortfolioSupport/details/</a> |

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| <b>Program Name: GRC Labor Loaders - Market Support</b>                                                                                                                                                                                                                    |                                                        |                                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_MS_GRC_Overheads<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2023 - onwards                                                                                                                                             |                                                        |                                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                                                                                                                                      |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                                                                                                                                    |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>This program ID captures an estimate of PG&amp;E's Overhead Costs for labor that are collected in the GRC and that are allocated to the Market Support Segment. These costs are used for cost effectiveness calculations only.</i> |                                                        |                                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                        |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                                                                |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                                 |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,773,822</i><br><i>2029: \$2,815,133</i><br><i>2030: \$2,855,322</i><br><i>2031: \$3,005,451</i>                                                                                                                       |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                              |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                 |                                                        |                                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                                                                                                                              |                                                        |                                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                                                                                                                                       |                                                        |                                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                                 |                                                        |                                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                                                                                                                                |                                                        |                                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                                                                                                                 |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_MS_GRC_Overheads/details/">https://cedars.cpuc.ca.gov/programs/PGE_MS_GRC_Overheads/details/</a> |

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| <b>Program Name: Market Support Portfolio Support PA Costs</b>                                                                                               |                                                        |                                                                                                                                                                                                                      |
| <b>Program ID: PGE_MS_PortfolioSupport</b>                                                                                                                   |                                                        |                                                                                                                                                                                                                      |
| <b>New / Existing: Existing</b>                                                                                                                              |                                                        |                                                                                                                                                                                                                      |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                             |                                                        |                                                                                                                                                                                                                      |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                        |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                      |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                      |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's Portfolio Support PA Costs that are allocated to the Market Support Segment.</i> |                                                        |                                                                                                                                                                                                                      |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                          |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                          |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                  |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                           |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                   |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$4,655,251</i><br><i>2029: \$4,636,012</i><br><i>2030: \$4,615,809</i><br><i>2031: \$4,769,021</i>         |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                   |                                                        |                                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                |                                                        |                                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                   |                                                        |                                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                  |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                   |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_MS_PortfolioSupport/details/">https://cedars.cpuc.ca.gov/programs/PGE_MS_PortfolioSupport/details/</a> |

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| <b>Program Name: CPUC Portfolio Oversight</b>                                                                                                |                                                        |                                                                                                                                                                                                                      |
| <b>Program ID: PGE_Portfolio_Oversight</b>                                                                                                   |                                                        |                                                                                                                                                                                                                      |
| <b>New / Existing: Existing</b>                                                                                                              |                                                        |                                                                                                                                                                                                                      |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                             |                                                        |                                                                                                                                                                                                                      |
| <b>Portfolio Segment:</b><br><i>EM&amp;V</i>                                                                                                 | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                        |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                      |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                      |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>This program ID captures the CPUC's Portfolio Oversight Costs</i>                                    |                                                        |                                                                                                                                                                                                                      |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                          |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                          |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                  |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                           |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                   |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$285,900</i><br><i>2029: \$285,900</i><br><i>2030: \$285,900</i><br><i>2031: \$285,900</i> |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                   |                                                        |                                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                |                                                        |                                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                   |                                                        |                                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>-Budget and TSB accuracy</i>                                                             |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                   |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Portfolio_Oversight/details/">https://cedars.cpuc.ca.gov/programs/PGE_Portfolio_Oversight/details/</a> |

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| <b>Program Name: GRC Labor Loaders - Resource Acquisition</b>                                                                                                                                                                                                                    |                                                        |                                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_RA_GRC_Overheads<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2023 - onwards                                                                                                                                                   |                                                        |                                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                          |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                                                                                                                                            |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                                                                                                                                          |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>This program ID captures an estimate of PG&amp;E's Overhead Costs for labor that are collected in the GRC and that are allocated to the Resource Acquisition Segment. These costs are used for cost effectiveness calculations only.</i> |                                                        |                                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                              |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                                                                      |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                                       |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$6,099,766</i><br><i>2029: \$6,433,280</i><br><i>2030: \$6,759,757</i><br><i>2031: \$6,981,817</i>                                                                                                                             |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                                    |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                       |                                                        |                                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                                                                                                                                    |                                                        |                                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                                                                                                                                             |                                                        |                                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                                       |                                                        |                                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                                                                                                                                      |                                                        |                                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                                                                                                                       |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_RA_GRC_Overheads/details/">https://cedars.cpuc.ca.gov/programs/PGE_RA_GRC_Overheads/details/</a> |

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| <b>Program Name: Resource Acquisition Portfolio Support PA Costs</b>                                                                                               |                                                        |                                                                                                                                                                                                                      |
| <b>Program ID: PGE_RA_PortfolioSupport</b>                                                                                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>New / Existing: Existing</b>                                                                                                                                    |                                                        |                                                                                                                                                                                                                      |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                   |                                                        |                                                                                                                                                                                                                      |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                |
| <b>Applicable Sector:</b><br><i>Portfolio Support</i>                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                      |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                                            |                                                        | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>This program ID captures PG&amp;E's Portfolio Support PA Costs that are allocated to the Resource Acquisition Segment.</i> |                                                        |                                                                                                                                                                                                                      |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                          |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                        |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                           |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                         |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$10,237,118</i><br><i>2029: \$10,594,442</i><br><i>2030: \$10,927,575</i><br><i>2031: \$11,078,681</i>           |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                      |                                                        | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                                                      |                                                        |                                                                                                                                                                                                                      |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                                               |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                         |                                                        |                                                                                                                                                                                                                      |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>N/A</i>                                                                                                        |                                                        |                                                                                                                                                                                                                      |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                         |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_RA_PortfolioSupport/details/">https://cedars.cpuc.ca.gov/programs/PGE_RA_PortfolioSupport/details/</a> |

## Public Programs

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| <b>Program Name: Government and K-12 Comprehensive Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Program ID: PGE_Pub_009</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Customer Group(s):</b><br><i>Public, Non-Res</i>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sector Challenges:</b><br><i>Public sector facilities face persistent challenges in meeting California's aggressive energy efficiency and electrification goals while managing limited budgets and aging infrastructure. These facilities often rely on outdated HVAC systems, inefficient lighting, and conventional water heating technologies, resulting in high energy consumption, increased greenhouse gas emissions, and elevated operational costs.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Sector Opportunities:</b><br><i>The GK12 program addresses opportunities within public sector buildings by providing local government, federal government, and K-12 customers with the technical and economic resources that are otherwise unavailable for beneficial building electrification retrofits. These customers are served through a direct installation approach, custom projects performed by energy service companies (ESCOs), and/or deemed downstream approaches.</i> |
| <b>Brief Program Description:</b><br><i>To address the challenges of outdated infrastructure, high energy costs, and compliance with California's decarbonization goals, the Willdan GK12 Program delivers a comprehensive, turnkey energy efficiency and electrification solution for public sector facilities, including local government buildings and K-12 schools. The program integrates energy efficiency measures, electrification strategies, and demand-side management (DSM) into a single offering, ensuring cost-effective and scalable improvements. Key components include: Targeted Upgrades: Installation of high-efficiency lighting systems, HVAC upgrades and controls, heat pump water heaters, and retro-commissioning measures to optimize building performance. Electrification Focus: Transition from fossil-fuel-based systems to electric alternatives, reducing greenhouse gas emissions and supporting California's clean energy mandates. Integrated DSM Solutions: Incorporation of demand response and energy management tools to achieve permanent peak load reduction and grid resiliency. Financing &amp; Incentives: Access to 0% On-Bill Financing, rebates, and custom incentive pathways to minimize upfront costs and accelerate adoption. Equity Commitment: Prioritization of Hard-to-Reach (HTR) and Disadvantaged Communities (DAC), ensuring at least 40% of projects serve these sectors. End-to-End Support: From enrollment and site assessments to project design, installation, and measurement &amp; verification (M&amp;V), Willdan provides full lifecycle management for a seamless customer experience.</i> |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Intervention Strategy:</b><br><i>Direct Install, Incentives/rebates, technical support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$38,879,806</i>                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$7,723,679</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.14</i>                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| 2029: \$7,774,927<br>2030: \$7,830,439<br>2031: \$7,883,930                                                                                                                                                                                                                                                                         | PAC: 1.19<br>SCT Base: 1.55<br>SCT High: 1.56<br>RIM: 1.06                                                                                                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                             | <b>Market Actors necessary for success:</b><br><br><i>Local governments, K-12 Schools</i>                                                                                                        |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include utilizing subcontractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                                                                  |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>TSB, Electrification Effort, Cost Effectiveness</i>                                                                                                                                                                                                                           |                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for public buildings and K-12</i>                                                                                                                                         |                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>No</i>                                                                                                                                                                                                                           |                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>-High realization rates for Pop-NMEC projects</i>                                                                                                                                                                                                                               |                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                                                                                          | <b>Link to Existing Implementation Plan, if existing:</b><br><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Pub_009/details/">https://cedars.cpuc.ca.gov/programs/PGE_Pub_009/details/</a> |

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| <b>Program Name: California Analysis Tool for Locational Energy Assessment (CATALENA)</b>                                                |                                                     |                                                                                                                                                                                              |
| <b>Program ID: PGE_Pub_011</b>                                                                                                           |                                                     |                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                          |                                                     |                                                                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                         |                                                     |                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                       | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                               |                                                     | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>N/A</i>                                                                                                  |                                                     | <b>Sector Opportunities:</b><br><i>N/A</i>                                                                                                                                                   |
| <b>Brief Program Description:</b><br><i>This program ID captures costs related to the CEC's CATALENA tool</i>                            |                                                     |                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                      |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                                                                  |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                              |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                               |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$81,960</i><br><i>2029: \$81,960</i><br><i>2030: \$81,960</i><br><i>2031: \$81,960</i> |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                            |                                                     | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                               |                                                     |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>N/A</i>                                                                            |                                                     |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>N/A</i>                                                                                     |                                                     |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                               |                                                     |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>-Low default rates</i>                                                               |                                                     |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                |                                                     | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Pub_011/details/">https://cedars.cpuc.ca.gov/programs/PGE_Pub_011/details/</a> |

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| <b>Program Name: Institutional Partnerships, UC/CSU/CCC</b>                                                                                          |                                                                  |                                                                                                                                                                                                            |
| <b>Program ID: PGE_SW_IP_Colleges</b>                                                                                                                |                                                                  |                                                                                                                                                                                                            |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                                            |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                                            |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                             | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>ClearResult</i>                                                                                                                                              |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                           |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                                         |
| <b>Brief Program Description:</b><br><i>SCE is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>          |                                                                  |                                                                                                                                                                                                            |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                                        |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$11,013,857</i>                                                                                                                            |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,353,808</i><br><i>2029: \$1,572,180</i><br><i>2030: \$1,658,484</i><br><i>2031: \$1,662,138</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.24</i><br><i>PAC: 1.80</i><br><i>SCT Base: 1.37</i><br><i>SCT High: 1.37</i><br><i>RIM: 0.37</i>                                                     |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                            |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Colleges/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Colleges/details/</a> |

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| <b>Program Name: Institutional Partnerships, UC/CSU/CCC - PGE Costs</b>                                                                                                      |                                                                                                                                                                                                                  |                                                       |
| <b>Program ID: PGE_SW_IP_Colleges_PA</b>                                                                                                                                     |                                                                                                                                                                                                                  |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                  |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                  |                                                       |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                     | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                           | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                   | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                  |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                               |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                  |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                              |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                       |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                           |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,507</i><br><i>2029: \$27,448</i><br><i>2030: \$28,424</i><br><i>2031: \$29,508</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                           |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                  |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                  |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                  |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                  |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                  |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Colleges_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Colleges_PA/details/</a> |                                                       |

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| <b>Program Name: Institutional Partnerships: DGS and DoC</b>                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_IP_Gov</b>                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>AESC (Franklin Energy)</i>                                                                               |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                                                                                                                                            |                                                                  | <b>Customer Group(s):</b><br><i>Public, Non-Res</i>                                                                                                    |
| <b>Sector Challenges:</b><br><i>Lack of internal agency support for EE projects, uncertainty of funding.</i>                                                                                                                                                                                          |                                                                  | <b>Sector Opportunities:</b><br><i>Statewide energy efficiency, GHG reduction, and electrification goals.</i>                                          |
| <b>Brief Program Description:</b><br><i>SOC ESS helps California's State Agencies achieve energy, cost and GHG reductions through targeted strategic planning and project development support, staff augmentation services, trade ally market development, and rebates, incentives and financing.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>N/A</i>                                                                                                                                                                                                                   |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>N/A</i>                                                                            |
| <b>Intervention Strategy:</b><br><i>Incentive/rebate, Finance, Audit, Technical Assistance, Training, Marketing and Outreach/Information, Energy Action Plans, Energy Concierge, Policy Assistance, Staff augmentation, DAC incentive enhancement.</i>                                                |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, custom, NMEC - population, NMEC - site</i>                                                                                                                                                                                                 |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$3,148,009</i>                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$733,103</i><br><i>2029: \$733,103</i><br><i>2030: \$733,103</i><br><i>2031: \$733,103</i>                                                                                                                                                          |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.61</i><br><i>PAC: 1.08</i><br><i>SCT Base: 0.83</i><br><i>SCT High: 0.83</i><br><i>RIM: 0.52</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>IOU account reps, climate fellows</i>                                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Pre-qualified trade professional list, contractors sourced by government agencies, agency internal labor.</i>                                                                                      |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>TSB, TRC (1.3+), cost effectiveness, PAC</i>                                                                                                                                                                                                    |                                                                  |                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Support long term EE goals for PG&amp;E and CPUC.</i>                                                                                                                                                                                                    |                                                                  |                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b>                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| N/A                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Cost-effectiveness, TSB/budget Forecast Accuracy, Engineering Documentation Quality, Geographic IOU Diversity, GHG Emissions Reduction, Climate Corps Fellow Effectiveness, Program Data Quality, Savings Forecast Accuracy, Agencies Served, DAC</i> |                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                                                                                                                                | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Gov/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Gov/details/</a> |

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| <b>Program Name: Institutional Partnerships: DGS and DoC - PGE Costs</b>                                                                                                     |                                                        |                                                                                                                                                                                                        |
| <b>Program ID:</b> PGE_SW_IP_Gov_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                   |                                                        |                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                     | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                  |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                   |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$167,397</i><br><i>2029: \$182,630</i><br><i>2030: \$194,950</i><br><i>2031: \$179,206</i>                                 |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Gov_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_IP_Gov_PA/details/</a> |

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| <b>Program Name: SW New Construction NonRes Public - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Pub_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Customer Group(s):</b><br><i>Public, Non-Res</i>                                                                                                    |
| <b>Sector Challenges:</b><br><i>Whole Building Electrification is still in the early stages of adoption</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$543,081</i>                                                                           |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$805,230</i><br><i>2029: \$856,704</i><br><i>2030: \$801,277</i><br><i>2031: \$891,731</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.22</i><br><i>PAC: 0.17</i><br><i>SCT Base: 0.24</i><br><i>SCT High: 0.24</i><br><i>RIM: 0.13</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for public building project</i>  |                                                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for public building project</i> |                                                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                |                                                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed, All-Electric project completion</i>                                                        |                                                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_electric/details/</a> |

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| <b>Program Name: SW New Construction NonRes Public - All Electric - PGE Costs</b>                                                                                 |                                                                                                                                                                                                                                        |                                                |
| <b>Program ID:</b> PGE_SW_NC_NonRes_Pub_electric_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2021 - onwards                        |                                                                                                                                                                                                                                        |                                                |
| <b>Portfolio Segment:</b><br>Market Support                                                                                                                       | <b>Program Implementer Type:</b><br>Non-Program                                                                                                                                                                                        | <b>Third-Party Program Implementer:</b><br>N/A |
| <b>Applicable Sector:</b><br>Public                                                                                                                               | <b>Customer Group(s):</b><br>Non-Program                                                                                                                                                                                               |                                                |
| <b>Sector Challenges:</b><br>Non-Program                                                                                                                          | <b>Sector Opportunities:</b><br>Non-Program                                                                                                                                                                                            |                                                |
| <b>Brief Program Description:</b><br>The program ID captures the PG&E program administrator costs for the related statewide program, but is not a program itself. |                                                                                                                                                                                                                                        |                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br>Non-Program                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br>Non-Program                                                                                                                                                           |                                                |
| <b>Intervention Strategy:</b><br>Non-Program                                                                                                                      | <b>Delivery Type:</b><br>Downstream                                                                                                                                                                                                    |                                                |
| <b>Measurement and Verification Methods:</b><br>Non-Program                                                                                                       | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br>\$0                                                                                                                                                                        |                                                |
| <b>Annual Budgets for 2028-2031:</b><br>2028: \$29,481<br>2029: \$30,268<br>2030: \$31,850<br>2031: \$32,963                                                      | <b>Cost Effectiveness for 2028-2031:</b><br>TRC: 0.00<br>PAC: 0.00<br>SCT Base: 0.00<br>SCT High: 0.00<br>RIM: 0.00                                                                                                                    |                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br>Non-Program                                                                    | <b>Market Actors necessary for success:</b><br>Non-Program                                                                                                                                                                             |                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                        |                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br>Non-Program                                                                                                    |                                                                                                                                                                                                                                        |                                                |
| <b>Long Term Outcome (5-10 years):</b><br>Non-Program                                                                                                             |                                                                                                                                                                                                                                        |                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                        |                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br>Non-Program                                                                                                      |                                                                                                                                                                                                                                        |                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>None                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_electric_PA/details/</a> |                                                |

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| <b>Program Name: SW New Construction NonRes Public - Mixed Fuel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Pub_mixed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Public</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Customer Group(s):</b><br><i>Public, Non-Res</i>                                                                                                    |
| <b>Sector Challenges:</b><br><i>Whole Building Electrification is still in the early stages of adoption</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$249,856</i>                                                                           |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$594,121</i><br><i>2029: \$537,663</i><br><i>2030: \$604,413</i><br><i>2031: \$551,110</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.14</i><br><i>PAC: 0.11</i><br><i>SCT Base: 0.16</i><br><i>SCT High: 0.16</i><br><i>RIM: 0.09</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |

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| <i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for public building project</i>                                                     |                                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for public building project</i> |                                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                       |                                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed</i>                                                                                         |                                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_mixed/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_mixed/details/</a> |

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| <b>Program Name: SW New Construction NonRes Public - Mixed Fuel - PGE Costs</b>                                                                                   |                                                                                                                                                                                                                                  |                                                |
| <b>Program ID:</b> PGE_SW_NC_NonRes_Pub_mixed_PA<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2021 - onwards                           |                                                                                                                                                                                                                                  |                                                |
| <b>Portfolio Segment:</b><br>Market Support                                                                                                                       | <b>Program Implementer Type:</b><br>Non-Program                                                                                                                                                                                  | <b>Third-Party Program Implementer:</b><br>N/A |
| <b>Applicable Sector:</b><br>Public                                                                                                                               | <b>Customer Group(s):</b><br>Non-Program                                                                                                                                                                                         |                                                |
| <b>Sector Challenges:</b><br>Non-Program                                                                                                                          | <b>Sector Opportunities:</b><br>Non-Program                                                                                                                                                                                      |                                                |
| <b>Brief Program Description:</b><br>The program ID captures the PG&E program administrator costs for the related statewide program, but is not a program itself. |                                                                                                                                                                                                                                  |                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br>Non-Program                                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br>Non-Program                                                                                                                                                     |                                                |
| <b>Intervention Strategy:</b><br>Non-Program                                                                                                                      | <b>Delivery Type:</b><br>Downstream                                                                                                                                                                                              |                                                |
| <b>Measurement and Verification Methods:</b><br>Non-Program                                                                                                       | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br>\$0                                                                                                                                                                  |                                                |
| <b>Annual Budgets for 2028-2031:</b><br>2028: \$27,875<br>2029: \$28,764<br>2030: \$29,521<br>2031: \$30,461                                                      | <b>Cost Effectiveness for 2028-2031:</b><br>TRC: 0.00<br>PAC: 0.00<br>SCT Base: 0.00<br>SCT High: 0.00<br>RIM: 0.00                                                                                                              |                                                |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br>Non-Program                                                                    | <b>Market Actors necessary for success:</b><br>Non-Program                                                                                                                                                                       |                                                |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                  |                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br>Non-Program                                                                                                    |                                                                                                                                                                                                                                  |                                                |
| <b>Long Term Outcome (5-10 years):</b><br>Non-Program                                                                                                             |                                                                                                                                                                                                                                  |                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>Non-Program                                                       |                                                                                                                                                                                                                                  |                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br>Non-Program                                                                                                      |                                                                                                                                                                                                                                  |                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br>None                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_mixed_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Pub_mixed_PA/details/</a> |                                                |

## Residential Programs

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| <b>Program Name: Virtual Energy Audit Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_Res_001b</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2020 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Home Energy Analytics</i>                                                                                |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  | <b>Customer Group(s):</b><br><i>All Residential</i>                                                                                                    |
| <b>Sector Challenges:</b><br><i>Lack of awareness of how energy is used and what actions can lower energy bills and use</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Sector Opportunities:</b><br><i>Educate and empower residential customers to manage and lower household electricity and gas consumption</i>         |
| <b>Brief Program Description:</b><br><i>The Virtual Energy Audit Program provides an in-depth analysis of a home's energy use with customized recommendations specific to the customer's energy profile to help reduce usage. Live energy coaches and monthly energy efficiency progress reports are also provided.</i>                                                                                                                                                                                                                                                               |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>The Program is not available in multiple languages aside from English and Spanish.</i>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Look into the development of more language diversification for the Program.</i>    |
| <b>Intervention Strategy:</b><br><i>Behavioral</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>NMEC - pop</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$9,645,459</i>                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,481,437</i><br><i>2029: \$3,484,698</i><br><i>2030: \$3,496,537</i><br><i>2031: \$3,507,190</i>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.69</i><br><i>PAC: 0.69</i><br><i>SCT Base: 0.79</i><br><i>SCT High: 0.80</i><br><i>RIM: 0.30</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032–2035 period, based on program performance and the need to scale energy coach support to meet customer demand.</i>                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Market Actors necessary for success:</b><br><br><i>Energy Coaches</i>                                                                               |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>The necessary scale includes enough coaches to serve a growing number of participants, ensuring timely and effective engagement through virtual consultations, follow-up communications, and customized energy-saving recommendations.</i><br><i>Risks include insufficient staffing to meet demand, challenges in recruiting and retaining qualified coaches, and potential gaps in language or cultural competency that could limit program accessibility and effectiveness.</i> |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                        |

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| <i>Increased awareness of energy use profile and savings opportunities in residential customers and greater participation in the energy coach offering</i>                                                                                                              |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>High rates of energy coaching and follow-through.</i><br><i>Lasting reductions in household energy use.</i><br><i>Ongoing customer engagement with energy efficiency resources and adoption of efficient technologies.</i> |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                                                                                     |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Audit Completions</i><br><i>Customer Participation</i><br><i>Energy Savings</i><br><i>Customer Satisfaction</i><br><i>Coached participants</i>                                                                      |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>None                                                                                                                                                                                      | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_001b/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_001b/details/</a> |

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| <b>Program Name: Universal Audit Tool Program</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                                                                |
| <b>Program ID:</b> PGE_Res_002a<br><b>New / Existing:</b> Existing<br><b>Expected Program Duration:</b> 2020 - onwards                                                                                                                                                                                                                                                                                                                  |                                                                  |                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Oracle</i>                                                                                                                                       |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Customer Group(s):</b><br><i>All Residential</i>                                                                                                                                            |
| <b>Sector Challenges:</b><br><i>Lack of awareness of how energy is used and what actions can lower energy bills and use</i>                                                                                                                                                                                                                                                                                                             |                                                                  | <b>Sector Opportunities:</b><br><i>Educate and empower residential customers to manage and lower household electricity and gas consumption</i>                                                 |
| <b>Brief Program Description:</b><br><i>The Universal Audit Tool program is a self-guided online assessment that helps customers understand where they use energy in their homes. The tool provides energy-saving tips and suggestions based on the customer's specific responses and generates a simple checklist plan that is saved on the customer's PG&amp;E Your Account website to track progress as they complete the items.</i> |                                                                  |                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>That the Universal Audit Tool Program is not available in multiple languages.</i>                                                                                                                                                                                                                                                                           |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Look into the development of more language diversification for the Universal Audit Tool Program.</i>                       |
| <b>Intervention Strategy:</b><br><i>Behavioral</i>                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$11,881,433</i>                                                                                                                |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,315,835</i><br><i>2029: \$2,321,457</i><br><i>2030: \$2,327,900</i><br><i>2031: \$2,334,645</i>                                                                                                                                                                                                                                                                                    |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 1.28</i><br><i>PAC: 1.28</i><br><i>SCT Base: 1.45</i><br><i>SCT High: 1.46</i><br><i>RIM: 0.30</i>                                         |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased awareness of energy use profile and savings opportunities in residential customers.</i>                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Sustained kWh and Therm savings in participating residential customer households and increased insights into opportunities to electrify.</i>                                                                                                                                                                                                                                               |                                                                  |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Audit Completions</i><br><i>Customer Engagement</i><br><i>Energy Savings</i>                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_002a/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_002a/details/</a> |

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| <b>Program Name: Residential Behavioral Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_Res_002d</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Oracle</i>                                                                                               |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  | <b>Customer Group(s):</b><br><i>All Residential</i>                                                                                                    |
| <b>Sector Challenges:</b><br><i>Lack of awareness of how energy is used and what actions can lower energy bills and use</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Sector Opportunities:</b><br><i>Educate and empower residential customers to manage and lower household electricity and gas consumption</i>         |
| <b>Brief Program Description:</b><br><i>The Residential Behavior Program uses multiple behavior-based energy efficiency strategies to support customers in understanding and empowering them to manage and lower their household electricity and gas consumption. This program uses information and customer engagement strategies to prompt non-rebated behavior change that can be measured using Randomized Controlled Trials (RCT) to validate savings and demonstrate attribution. As a result of changed behaviors, customers can better manage their energy use and energy behaviors, make more efficient purchasing decisions, and take better energy related actions to lower their energy bills and energy footprint.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>The Residential Behavioral Program is not available in multiple languages.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Investigate the development of language diversification.</i>                       |
| <b>Intervention Strategy:</b><br><i>Behavioral</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$203,758,744</i>                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$21,302,100</i><br><i>2029: \$21,319,619</i><br><i>2030: \$21,338,405</i><br><i>2031: \$21,357,956</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 2.39</i><br><i>PAC: 2.39</i><br><i>SCT Base: 2.69</i><br><i>SCT High: 2.70</i><br><i>RIM: 0.33</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a moderate increase in budget for this program for the 2032–2035 period, dependent on program performance and continued customer engagement.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Market Actors necessary for success:</b><br><br><i>N/A</i>                                                                                          |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                  |                                                                                                                                                        |

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| <i>Increased awareness about energy use and how energy use patterns affect residential energy bills</i>                                                                        |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increased participation in electrification programs and increased personalization of energy usage to drive behavioral savings</i> |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                     |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Energy Savings</i><br><i>Total System Benefit (TSB)</i><br><i>Customer Participation</i>                                   |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                      | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_002d/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_002d/details/</a> |

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| <b>Program Name: Online Marketplace Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                                        |
| <b>Program ID: PGE_Res_002e</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                                        |
| <b>Expected Program Duration: 2022 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Program Implementer Type:</b><br><i>Third/Local Party</i> | <b>Third-Party Program Implementer:</b><br><i>BellaWatt</i>                                                                                                                                            |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | <b>Customer Group(s):</b><br><i>All Residential</i>                                                                                                                                                    |
| <b>Sector Challenges:</b><br><i>limited availability of diverse, high-efficiency technologies within a single, streamlined platform.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                              | <b>Sector Opportunities:</b><br><i>Educate residential customers on efficient appliances and upgrades that can be made to their home</i>                                                               |
| <b>Brief Program Description:</b><br><i>Energy Action Guide is PG&amp;E's online marketplace designed to help customers discover and adopt energy efficiency, electrification, and resiliency solutions. The platform provides personalized recommendations, product listings, and program resources, leveraging customer inputs such as location, building type, and goals to deliver tailored guidance. It features tools like the Switch to Electric Tool, rebate information, and curated offerings from approved retailers, ensuring an easy, transparent, and data-driven experience for customers seeking to reduce energy costs and emissions</i> |                                                              |                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>The marketplace is limited in language to English and only has API data from large box retailers.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Investigate the opportunity to have the site available in multiple languages and have greater retailer diversity for products.</i> |
| <b>Intervention Strategy:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$982,351</i><br><i>2029: \$987,774</i><br><i>2030: \$993,401</i><br><i>2031: \$999,239</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              | <b>Market Actors necessary for success:</b><br><i>N/A</i>                                                                                                                                              |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>N/A</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased time on the website with customers using the Switch to Electric Tool and pursuing more efficient appliances.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                                                                                                                                                                                                        |

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| <i>Increased time on the website with customers using the room electrification tool and pursuing more efficient appliances.</i> |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                      |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Website Engagement</i><br><i>Product Adoption</i>                           |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_002e/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_002e/details/</a> |

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| <b>Program Name: Residential Zonal Electrification Equity Program Implementer A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_Res_004a</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Resource Innovations</i>                                                                                 |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Customer Group(s):</b><br><i>Single Family Residential, Multifamily 2-4 units, Non Res</i>                                                          |
| <b>Sector Challenges:</b><br><i>Low income and Disadvantaged census tracts</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Sector Opportunities:</b><br><i>Enable vulnerable customers to preemptively transition from natural gas to electricity and reduce energy bills</i>  |
| <b>Brief Program Description:</b><br><i>The Zonal Equity Electrification Pilot ("ZEEP" or "Program") is a pilot program focused on identifying and demonstrating successful strategies for electrifying customers in targeted sections of PG&amp;E's gas distribution system (i.e., "zones") located in disadvantaged communities (DACs) or low income communities. Electrifying customers in these areas will allow PG&amp;E to decommission these portions of their gas system and avoid future gas system projects. The Program is focused not only on installing successful electrification projects in the near term, but also on identifying strategies and tactics that can scale zonal electrification in a cost-efficient manner.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Some of the housing stock that we are targeting have unpermitted additions. This is for a small sample size but could be based on equity areas.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Looking into working on solutions with local jurisdictions</i>                     |
| <b>Intervention Strategy:</b><br><i>Direct Install, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,749,907</i><br><i>2029: \$3,755,299</i><br><i>2030: \$3,760,893</i><br><i>2031: \$3,766,697</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>TBD depending on performance if we want to continue the pilots into the future past 2027</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  | <b>Market Actors necessary for success:</b><br><i>Contractors, Equity Customers</i>                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly.</i>                                                                                                                                                             |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Scale electrification more broadly with lessons learned from pilot implementation.</i>                                                                                                                                                                             |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program leverages external funding sources like TECH, HEERA. This program also leverages ESA Contractors to install ESA measures. There is coordination amongst programs to prevent double dipping.</i> |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly. Soft target of 30 zones electrified</i>                                                                                                                           |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_004a/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_004a/details/</a> |

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| <b>Program Name: Residential Zonal Electrification Equity Program Implementer B</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_Res_004b</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Quest</i>                                                                                                |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Customer Group(s):</b><br><i>Single Family Residential, Multifamily 2-4 units, Non Res</i>                                                          |
| <b>Sector Challenges:</b><br><i>Low income and Disadvantaged census tracts</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Sector Opportunities:</b><br><i>Enable vulnerable customers to preemptively transition from natural gas to electricity and reduce energy bills</i>  |
| <b>Brief Program Description:</b><br><i>The Zonal Equity Electrification Pilot ("ZEEP" or "Program") is a pilot program focused on identifying and demonstrating successful strategies for electrifying customers in targeted sections of PG&amp;E's gas distribution system (i.e., "zones") located in disadvantaged communities (DACs) or low income communities. Electrifying customers in these areas will allow PG&amp;E to decommission these portions of their gas system and avoid future gas system projects. The Program is focused not only on installing successful electrification projects in the near term, but also on identifying strategies and tactics that can scale zonal electrification in a cost-efficient manner.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Some of the housing stock that we are targeting have unpermitted additions. This is for a small sample size but could be based on equity areas.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Looking into working on solutions with local jurisdictions</i>                     |
| <b>Intervention Strategy:</b><br><i>Direct Install, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,744,789</i><br><i>2029: \$3,750,173</i><br><i>2030: \$3,755,759</i><br><i>2031: \$3,761,555</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>TBD depending on performance if we want to continue the pilots into the future past 2027</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                  | <b>Market Actors necessary for success:</b><br><i>Contractors, Equity Customers</i>                                                                    |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly.</i>                                                                                                                                                             |                                                                                                                                                                                                |
| <b>Long Term Outcome (5-10 years):</b><br><i>Scale electrification more broadly with lessons learned from pilot implementation.</i>                                                                                                                                                                             |                                                                                                                                                                                                |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program leverages external funding sources like TECH, HEERA. This program also leverages ESA Contractors to install ESA measures. There is coordination amongst programs to prevent double dipping.</i> |                                                                                                                                                                                                |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly. Soft target of 30 zones electrified</i>                                                                                                                           |                                                                                                                                                                                                |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                                       | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_004b/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_004b/details/</a> |

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| <b>Program Name: Residential Electrification Equity Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                                                                                                                                |
| <b>Program ID: PGE_Res_005</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  |                                                                                                                                                                                                                                                                |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |                                                                                                                                                                                                                                                                |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                                                                                                                                                                                                                                                                |
| <b>Portfolio Segment:</b><br><i>Equity</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Resource Innovations</i>                                                                                                                                                                                         |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                  | <b>Customer Group(s):</b><br><i>Single Family Residential, Multifamily 2-4 units</i>                                                                                                                                                                           |
| <b>Sector Challenges:</b><br><i>Vulnerable households face barriers to transitioning from natural gas to electricity, including high upfront costs, lack of access to financing, and limited awareness of available options.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>Enable vulnerable customers to preemptively transition from natural gas to electricity and reduce energy bills</i>                                                                                                          |
| <b>Brief Program Description:</b><br><i>The Empower My Home pilot is focused on accelerating residential building electrification for hard-to-reach, low- and moderate-income households in disadvantaged communities. Its primary goal is to generate data and insights that inform future large-scale electrification efforts while ensuring high customer satisfaction, energy bill neutrality, and cost minimization through non-ratepayer funding. The program provides education and direct installation of energy efficiency and electrification measures, including utility service upgrades, and leverages innovative technologies and community-based partnerships to maximize impact. This program allows for both full and partial electrification of the home, at little to no cost to the customer.</i> |                                                                  |                                                                                                                                                                                                                                                                |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Our disadvantaged and underserved customers face access and financial barriers to adopting electrification technologies</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Increase participation of DACs and underserved; Electrify appliances/buildings/zones; Reduce participant energy costs; Leverage other funding sources; Learn how to scale more broadly</i> |
| <b>Intervention Strategy:</b><br><i>Direct Install, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                                                     |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Embedded EM&amp;V</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$4,247,253<br/>2029: \$4,252,639<br/>2030: \$4,258,226<br/>2031: \$4,264,023</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00<br/>PAC: 0.00<br/>SCT Base: 0.00<br/>SCT High: 0.00<br/>RIM: 0.00</i>                                                                                                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  | <b>Market Actors necessary for success:</b><br><i>Contractors, Equity Customers</i>                                                                                                                                                                            |

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| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly.</i>                                                                                                                                                                    |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Scale electrification more broadly with lessons learned from pilot implementation.</i>                                                                                                                                                                                    |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program leverages external funding sources like TECH, HEERA. This program also leverages ESA Contractors to install ESA measures. There is coordination amongst programs to prevent double dipping.</i>        |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Obtain data and learnings to inform future efforts to scale electrification more broadly. Soft target of 786 homes fully or partially electrified over pilot duration.</i>                                                                                         |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                                                                                                                                    | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_005/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_005/details/</a> |

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| <b>Program Name: Electrification Contractor Support Placeholder</b>                                                                                                                                                                                        |                                                                                                                                                        |                                                                                               |
| <b>Program ID: PGE_Res_008</b>                                                                                                                                                                                                                             |                                                                                                                                                        |                                                                                               |
| <b>New / Existing: New</b>                                                                                                                                                                                                                                 |                                                                                                                                                        |                                                                                               |
| <b>Expected Program Duration: 2028 - onwards</b>                                                                                                                                                                                                           |                                                                                                                                                        |                                                                                               |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                         | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                                                       | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                         |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                            |                                                                                                                                                        | <b>Customer Group(s):</b><br><i>Residential, potential commercial expansion</i>               |
| <b>Sector Challenges:</b><br><i>Contractor hesitancy to promote BE, tied to perceived and real challenges related to ease, time, cost and understanding/education remain a significant barrier to BE adoption.</i>                                         |                                                                                                                                                        | <b>Sector Opportunities:</b><br><i>Increased adoption of BE, appliance and whole building</i> |
| <b>Brief Program Description:</b><br><i>Pilot opportunities could include a program that develops tools, resources, education, partnerships, etc. to overcome barriers and increase contractors' likelihood to recommend and implement BE technologies</i> |                                                                                                                                                        |                                                                                               |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                         | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |                                                                                               |
| <b>Intervention Strategy:</b><br><i>TBD. Interventions could include incentives, tools, resources, education, partnerships</i>                                                                                                                             | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                              | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                 |                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$4,614,848</i><br><i>2029: \$4,619,155</i><br><i>2030: \$3,123,624</i><br><i>2031: \$3,128,259</i>                                                                                                       | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i> |                                                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate continuation of similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                           | <b>Market Actors necessary for success:</b><br><br><i>Contractors</i>                                                                                  |                                                                                               |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Program delivery workforce will require an understanding of contractor business priorities, process and opportunities to influence</i>                  |                                                                                                                                                        |                                                                                               |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased adoption of BE, demonstrated through increased installation of all-electric appliances and whole building electrification retrofits for both Res and Non-Res</i>                           |                                                                                                                                                        |                                                                                               |
| <b>Long Term Outcome (5-10 years):</b><br><i>Contractors effectively promoting and driving BE technologies with Res and Non customers</i>                                                                                                                  |                                                                                                                                                        |                                                                                               |

**Does this program interact with other programs in this PA portfolio? If so, describe:**

*TBD, This program could likely support the individual contractors that are also supporting the delivery of other BE programs through direct installation of BE technologies. It will be important to manage double dipping across individual projects.*

**Program Metrics and Indicators (KPIs):**

*Contractor participation, Heat Pump and other Electrification technology installations, Market Support metrics TBD*

**Does this program utilize Integrated Demand Side Management (IDSM)?**

*None*

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/programs/PGE\\_Res\\_008/details/](https://cedars.cpuc.ca.gov/programs/PGE_Res_008/details/)

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| <b>Program Name: Targeted Electrification Placeholder</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                |                                                                                                                                                                                                               |
| <b>Program ID: PGE_Res_009</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                |                                                                                                                                                                                                               |
| <b>New / Existing: New</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                |                                                                                                                                                                                                               |
| <b>Expected Program Duration: 2028 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                |                                                                                                                                                                                                               |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                               | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                         |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                | <b>Customer Group(s):</b><br><i>Residential</i>                                                                                                                                                               |
| <b>Sector Challenges:</b><br><i>There are certain customer use cases that offer higher grid value and/or BE conversion potential, including failing appliances, emergency replacements and last/single gas appliances in the home. Many of these are known scenarios of customers needing to replace the existing appliances in their home and replacement with gas appliances postpones the electrification of that appliance and building.</i>                                                                                         |                                                                                                                                | <b>Sector Opportunities:</b><br><i>Proactively targeting these high value and high conversion use cases with all-electric appliance alternatives will result in increased and accelerated adoption of BE.</i> |
| <b>Brief Program Description:</b><br><i>Use of data (detection, disaggregation, customer demographic data, etc., in compliance with applicable privacy laws) to develop tools and/or programs that can identify targeted BE opportunities for partial or whole home electrification such as: identification of fuel substitution opportunities prior to failure (e.g. early retirement), emergency replacement support (e.g. WH loaner pilot), or targeting BE in areas with underutilized electric assets (e.g. from excess solar).</i> |                                                                                                                                |                                                                                                                                                                                                               |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                     |                                                                                                                                                                                                               |
| <b>Intervention Strategy:</b><br><i>TBD. Interventions could include data for targeting, incentives, BE measures, tools</i>                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                     |                                                                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                         |                                                                                                                                                                                                               |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$5,114,848<br/>2029: \$4,119,155<br/>2030: \$4,123,624<br/>2031: \$4,128,259</i>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00<br/>PAC: 0.00<br/>SCT Base: 0.00<br/>SCT High: 0.00<br/>RIM: 0.00</i> |                                                                                                                                                                                                               |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate a reduction of budget for this program for the 2032-2035 period.</i>                                                                                                                                                                                                                                                                                                                                                                    | <b>Market Actors necessary for success:</b><br><i>Contractors, Manufacturers</i>                                               |                                                                                                                                                                                                               |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                |                                                                                                                                                                                                               |

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| <i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                             |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased adoption of BE, demonstrated through increased installation of all-electric appliances and whole building electrification Res retrofits.</i>                                                       |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increased adoption of BE, demonstrated through increased installation of all-electric appliances and whole building electrification Res retrofits.</i>                                                                |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>TBD, it is possible this program could provide enhanced targeted capabilities to other programs focused on providing incentives and direct install support.</i> |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # of Heat Pumps and other all-electric appliances installed, all-electric project units completed, Market Support metrics TBD</i>                                                           |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                          | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_009/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_009/details/</a> |

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| <b>Program Name: Electrification Customer Experience Support Placeholder</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                     |                                                                                                                                                                                                                                                         |
| <b>Program ID: PGE_Res_010</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                     |                                                                                                                                                                                                                                                         |
| <b>New / Existing: New</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                                                                                                                                                                                                                         |
| <b>Expected Program Duration: 2028 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                                                                                                                                                                                                         |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Implementer Type:</b><br><i>IOU Core</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                                                   |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     | <b>Customer Group(s):</b><br><i>Residential</i>                                                                                                                                                                                                         |
| <b>Sector Challenges:</b><br><i>Customer experience can directly correlate to the speed at which we Residential customers adopt BE in their homes. Building electrification introduces challenges and opportunities that are unique and distinct, including but not limited to increased electric consumption and potential for bill impacts and need for additional electric service capacity at the site, installation of new and nascent technologies, elimination of gas cooking, need for site remediation, increased potential for load management.</i> |                                                     | <b>Sector Opportunities:</b><br><i>Tools, programs, resources tailored to ensure a positive experience across the BE customer journey will result in more promoters, increased validation in the market and likely increased adoption more broadly.</i> |
| <b>Brief Program Description:</b><br><i>Develop relevant tools, solutions, education, programs, partnerships in service of ensuring positive residential experience and outcomes across the BE customer journey. This could include pre-install education and support, ensuring a more streamlined project scoping and installation, optimization of electric appliance use post-install, managing and delivering on bill impact expectations.</i>                                                                                                            |                                                     |                                                                                                                                                                                                                                                         |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                                                                                                                              |
| <b>Intervention Strategy:</b><br><i>TBD. Interventions could include a variety of standard or customized solutions across the BE customer journey.</i>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                                              |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                                  |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,114,848</i><br><i>2029: \$2,119,155</i><br><i>2030: \$2,123,624</i><br><i>2031: \$2,128,259</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                                  |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     | <b>Market Actors necessary for success:</b>                                                                                                                                                                                                             |

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| <i>Anticipate continuation of similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                        | <i>Residential customers, Contractors, Manufacturers</i>                                                                                                                                     |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Program delivery workforce will require an understanding of the residential BE customer journey.</i>                                                              |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased adoption of BE, above average and improving Res BE customer NPS/CSAT scores</i>                                                                                                                      |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increased adoption of BE, above average and improving Res BE customer NPS/CSAT scores</i>                                                                                                                               |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>TBD, it is possible this program could provide tools, resources, solutions to those customers participating in other incentive or direct install BE programs.</i> |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Residential BE customer NPS/CSAT scores</i>                                                                                                                                                                      |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                            | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_010/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_010/details/</a> |

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| <b>Program Name: Heat Pump Adoption Program Placeholder</b>                                                                                                                                                                                                                                                            |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Program ID: PGE_Res_011</b>                                                                                                                                                                                                                                                                                         |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>New / Existing: New</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Expected Program Duration: 2028 - onwards</b>                                                                                                                                                                                                                                                                       |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Portfolio Segment:</b><br><i>Resource Acquisition</i>                                                                                                                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                                                            | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                 |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                        |                                                                                                                                                             | <b>Customer Group(s):</b><br><i>Residential</i>                                                                                                                                                       |
| <b>Sector Challenges:</b><br><i>Residential Heat Pump adoption will require continued and additional support as customers and contractors become more familiar and comfortable with the technology and to support a transition to heat pumps becoming the preferred choice.</i>                                        |                                                                                                                                                             | <b>Sector Opportunities:</b><br><i>Supporting and incentivizing heat pump adoption will accelerate adoption and influence the market more broadly to accommodate and support an increasing demand</i> |
| <b>Brief Program Description:</b><br><i>Support and incentivize heat pump adoption for Residential customers</i>                                                                                                                                                                                                       |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>TBD</i>                                                                                                                                                                                                                                    | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Participating Equity customers will likely benefit from increased levels of support</i> |                                                                                                                                                                                                       |
| <b>Intervention Strategy:</b><br><i>TBD. Interventions could include incentives, education resources, tools in support of accelerating heat pump adoption</i>                                                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                  |                                                                                                                                                                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                          | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                      |                                                                                                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,114,848</i><br><i>2029: \$3,119,155</i><br><i>2030: \$3,123,624</i><br><i>2031: \$3,128,259</i>                                                                                                                                                                   | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>      |                                                                                                                                                                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate continuation of similar budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                       | <b>Market Actors necessary for success:</b><br><i>Residential customers, Contractors, Manufacturers</i>                                                     |                                                                                                                                                                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i> |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increased adoption of BE, demonstrated through increased installation of heat pumps</i>                                                                                                                                                                          |                                                                                                                                                             |                                                                                                                                                                                                       |
| <b>Long Term Outcome (5-10 years):</b>                                                                                                                                                                                                                                                                                 |                                                                                                                                                             |                                                                                                                                                                                                       |

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| <i>Increased adoption of BE, demonstrated through increased installation of heat pumps</i>                                                                                                                                                                                                |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>TBD, it is possible this program could layer with other programs that support whole home electrification, customer BE education and experience and workforce training and support.</i> |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>TSB, Forecast Accuracy, # of Heat Pumps Installed</i>                                                                                                                                                                                 |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                                                                                                                                 | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_Res_011/details/">https://cedars.cpuc.ca.gov/programs/PGE_Res_011/details/</a> |

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| <b>Program Name: SW Home Energy Score California</b>                                                                                                 |                                                                  |                                                                                                                                                                                              |
| <b>Program ID: PGE_SW_HESC</b>                                                                                                                       |                                                                  |                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                              |
| <b>Expected Program Duration: 2024 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                   | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Earth Advantage</i>                                                                                                                            |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                      |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>BayREN is the lead PA for this program. Please see the lead PAs Program Card for more information.</i>       |                                                                  |                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See Lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                          |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,460,888</i><br><i>2029: \$1,659,390</i><br><i>2030: \$1,855,263</i><br><i>2031: \$2,058,206</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HESC/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HESC/details/</a> |

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| <b>Program Name: SW Home Energy Score California - PGE Costs</b>                                                                                                             |                                                        |                                                                                                                                                                                                    |
| <b>Program ID: PGE_SW_HESC_PA</b><br><b>New / Existing: Existing</b><br><b>Expected Program Duration: 2026 - onwards</b>                                                     |                                                        |                                                                                                                                                                                                    |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                              |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                    |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                 |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                    |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                         |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                             |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$25,093</i><br><i>2029: \$26,034</i><br><i>2030: \$27,010</i><br><i>2031: \$28,023</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                             |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                  |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                    |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                    |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                    |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                    |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                    |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>None</i>                                                                                    |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HESC_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HESC_PA/details/</a> |

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| <b>Program Name: Statewide Residential QI/QM</b>                                                                                                     |                                                                  |                                                                                                                                                                                                        |
| <b>Program ID: PGE_SW_HVAC_QIQM</b>                                                                                                                  |                                                                  |                                                                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                      |                                                                  |                                                                                                                                                                                                        |
| <b>Expected Program Duration: 2022 - onwards</b>                                                                                                     |                                                                  |                                                                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                   | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Frontier Energy</i>                                                                                                                                      |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                      |                                                                  | <b>Customer Group(s):</b><br><i>See lead PA</i>                                                                                                                                                        |
| <b>Sector Challenges:</b><br><i>See lead PA</i>                                                                                                      |                                                                  | <b>Sector Opportunities:</b><br><i>See lead PA</i>                                                                                                                                                     |
| <b>Brief Program Description:</b><br><i>SDG&amp;E is the lead PA for this program. Please see lead PAs Program Card for more information.</i>        |                                                                  |                                                                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>See lead PA</i>                                                          |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>See Lead PA</i>                                                                                                                    |
| <b>Intervention Strategy:</b><br><i>See lead PA</i>                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>See lead PA</i>                                                                                   |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$2,172,810</i><br><i>2029: \$2,172,810</i><br><i>2030: \$2,172,810</i><br><i>2031: \$2,172,810</i> |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>See lead PA</i>                                                |                                                                  | <b>Market Actors necessary for success:</b><br><i>See lead PA</i>                                                                                                                                      |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>See lead PA</i>                                                                                |                                                                  |                                                                                                                                                                                                        |
| <b>Long Term Outcome (5-10 years):</b><br><i>See lead PA</i>                                                                                         |                                                                  |                                                                                                                                                                                                        |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>See lead PA</i>                                   |                                                                  |                                                                                                                                                                                                        |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>See lead PA</i>                                                                                  |                                                                  |                                                                                                                                                                                                        |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>See lead PA</i>                                                     |                                                                  | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_QIQM/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_QIQM/details/</a> |

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| <b>Program Name: Statewide Residential QI/QM - PGE Costs</b>                                                                                                                 |                                                        |                                                                                                                                                                                                              |
| <b>Program ID: PGE_SW_HVAC_QIQM_PA</b>                                                                                                                                       |                                                        |                                                                                                                                                                                                              |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                        |                                                                                                                                                                                                              |
| <b>Expected Program Duration: 2022 - onwards</b>                                                                                                                             |                                                        |                                                                                                                                                                                                              |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                        |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                              |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                           |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                              |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                          |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                   |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,507</i><br><i>2029: \$27,448</i><br><i>2030: \$28,424</i><br><i>2031: \$29,508</i>                                     |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                            |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                              |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                              |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                              |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                              |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                              |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                   |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_QIQM_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_HVAC_QIQM_PA/details/</a> |

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| <b>Program Name: SW New Construction NonRes Res - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Res_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Customer Group(s):</b><br><i>Residential, Highrise Multifamily</i>                                                                                  |
| <b>Sector Challenges:</b><br><i>Building Electrification is still in the early stages of adoption but picking up momentum.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$5,493,244</i>                                                                         |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,418,738</i><br><i>2029: \$1,509,431</i><br><i>2030: \$2,446,003</i><br><i>2031: \$2,805,691</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.37</i><br><i>PAC: 0.70</i><br><i>SCT Base: 0.42</i><br><i>SCT High: 0.42</i><br><i>RIM: 0.36</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |

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| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for high-rise multifamily building project</i>  |                                                                                                                                                                                                                                  |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for high-rise multifamily building project</i> |                                                                                                                                                                                                                                  |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>N/A</i>                                                                                               |                                                                                                                                                                                                                                  |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed, All-Electric project completion</i>                                                                       |                                                                                                                                                                                                                                  |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br><i>EE/DR</i>                                                                                                               | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_electric/details/</a> |

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| <b>Program Name: SW New Construction NonRes Res - All Electric - PGE Costs</b>                                                                                               |                                                                                                                                                                                                                                        |                                                       |
| <b>Program ID: PGE_SW_NC_NonRes_Res_electric_PA</b>                                                                                                                          |                                                                                                                                                                                                                                        |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                                        |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                                        |                                                       |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                                                 | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                              | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                                        |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                                     |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                                        |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                                    |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                             |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                                 |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$50,337</i><br><i>2029: \$51,477</i><br><i>2030: \$56,023</i><br><i>2031: \$59,604</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                                 |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                                      |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                        |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                                        |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                                        |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                        |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                                        |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_electric_PA/details/</a> |                                                       |

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| <b>Program Name: SW New Construction NonRes Res - Mixed Fuel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Program ID: PGE_SW_NC_NonRes_Res_mixed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                                                                                                                        |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                  |                                                                                                                                                        |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i> | <b>Third-Party Program Implementer:</b><br><i>Willdan Energy Services</i>                                                                              |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  | <b>Customer Group(s):</b><br><i>Residential, Highrise Multifamily</i>                                                                                  |
| <b>Sector Challenges:</b><br><i>Building Electrification is still in the early stages of adoption but picking up momentum.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i>        |
| <b>Brief Program Description:</b><br><i>PG&amp;E's Statewide non-residential New Construction (NRNC) aka The California Energy Design Assistance (CEDA) program broadly serve the commercial, public, high-rise multi-family residential, industrial, and agricultural new construction sectors, and major alterations in facilities across the PG&amp;E, SCE, and SDG&amp;E territories. This Statewide program offers builders technical assistance early in the construction process, when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. These programs enroll and influence the nonresidential new construction market to achieve deeper energy savings and decarbonization through activities such as customer incentives, outreach and education, energy modeling, verification, IDSM Support and data tracking to inform future codes and standards.</i> |                                                                  |                                                                                                                                                        |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                  | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |
| <b>Measurement and Verification Methods:</b><br><i>Deemed, Custom</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$424,939</i>                                                                           |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$1,046,785</i><br><i>2029: \$947,311</i><br><i>2030: \$314,295</i><br><i>2031: \$0</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                  | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.05</i><br><i>PAC: 0.19</i><br><i>SCT Base: 0.06</i><br><i>SCT High: 0.06</i><br><i>RIM: 0.12</i> |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>No budget in this program for the 2032-2035 period.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  | <b>Market Actors necessary for success:</b><br><i>Builders, Architects, Developers, Manufactures</i>                                                   |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                                                                                                                                                        |
| <b>Near-term Program Output(s) (1-4 years):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                                                                                                                                        |

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| <i>Increase awareness in building electrification and provide opportunities to electrify all end-uses for high-rise multifamily building project</i>                                                     |                                                                                                                                                                                                                            |
| <b>Long Term Outcome (5-10 years):</b><br><i>Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for high-rise multifamily building project</i> |                                                                                                                                                                                                                            |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br>N/A                                                                                                      |                                                                                                                                                                                                                            |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed</i>                                                                                                        |                                                                                                                                                                                                                            |
| <b>Does this program utilize Integrated Demand Side Management (IDSM)?</b><br>EE/DR                                                                                                                      | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_mixed/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_mixed/details/</a> |

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| <b>Program Name: SW New Construction NonRes Res - Mixed Fuel - PGE Costs</b>                                                                                                 |                                                                                                                                                                                                                                  |                                                       |
| <b>Program ID: PGE_SW_NC_NonRes_Res_mixed_PA</b>                                                                                                                             |                                                                                                                                                                                                                                  |                                                       |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                                                                                                                                                                                                  |                                                       |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                                                                                                                                                                                                  |                                                       |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i>                                                                                                                                                                           | <b>Third-Party Program Implementer:</b><br><i>N/A</i> |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                              | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                                  |                                                       |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                               |                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                                                                                                                                                                                                  |                                                       |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                              |                                                       |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                                       |                                                       |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                           |                                                       |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$26,477</i><br><i>2029: \$27,454</i><br><i>2030: \$28,442</i><br><i>2031: \$29,495</i>                                     | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                           |                                                       |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                                |                                                       |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                  |                                                       |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                                                                                                                                                                                                  |                                                       |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                                                                                                                                                                                                  |                                                       |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                                                                                                                                                                                                  |                                                       |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                                                                                                                                                                                                  |                                                       |
| <b>Does this program utilize Integrated Demand Side Management (IDSMD)?</b><br><i>None</i>                                                                                   | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_mixed_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_NonRes_Res_mixed_PA/details/</a> |                                                       |

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| <b>Program Name: SW New Construction Res - All Electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                 |
| <b>Program ID: PGE_SW_NC_Res_electric</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                 |
| <b>New / Existing: Existing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                 |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                        |                                                                                                                                                 |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Program Implementer Type:</b><br><i>Third-Party Solicited</i>                                                                                       | <b>Third-Party Program Implementer:</b><br><i>TRC Companies</i>                                                                                 |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                        | <b>Customer Group(s):</b><br><i>Single Family Residential, Multifamily 2-4 units</i>                                                            |
| <b>Sector Challenges:</b><br><i>Residential Building Electrification for New Construction is continuing to ramp in California but Whole building alterations remain costly to implement. Electric space and water heating typically use electricity during the evening/early morning hours which are not aligned with renewable generation periods.</i>                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                        | <b>Sector Opportunities:</b><br><i>Increased participation in building electrification and EE program and adoption of Heat Pump EE measures</i> |
| <b>Brief Program Description:</b><br><i>The California Energy-Smart Homes Program is a residential new-construction and alterations program that provides incentives to adopt advanced energy measures like heat pump technologies and transition our homes to all-electric construction. The program is an all-in-one solution that offers incentives for single family, duplex, townhome, multifamily low-rise, alterations, and accessory dwelling units that support the transition of the residential new construction and alterations market to all-electric buildings. To be eligible for incentives, projects must be all-electric and meet all applicable federal, state, and local laws and codes.</i> |                                                                                                                                                        |                                                                                                                                                 |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>NA</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>NA</i>                                                                             |                                                                                                                                                 |
| <b>Intervention Strategy:</b><br><i>Design assistance, Incentives/rebates, community-based education, marking and outreach</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                             |                                                                                                                                                 |
| <b>Measurement and Verification Methods:</b><br><i>Deemed</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$7,890,279</i>                                                                         |                                                                                                                                                 |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$3,145,128</i><br><i>2029: \$2,947,666</i><br><i>2030: \$2,918,610</i><br><i>2031: \$3,143,663</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.66</i><br><i>PAC: 0.71</i><br><i>SCT Base: 0.80</i><br><i>SCT High: 0.80</i><br><i>RIM: 0.72</i> |                                                                                                                                                 |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Market Actors necessary for success:</b><br><i>Production Builders, Builders, Contractors, Manufactures</i>                                         |                                                                                                                                                 |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |                                                                                                                                                 |

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| <i>Workforce requirements include contractors qualified for installation of electrification measures and remediation. This could pose a risk to program effectiveness if contractors are not engaged or qualified.</i>                            |                                                                                                                                                                                                                    |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Continue to Increase awareness in building electrification and provide opportunities to electrify all end-uses for residential building projects both new construction and alterations</i>  |                                                                                                                                                                                                                    |
| <b>Long Term Outcome (5-10 years):</b><br><i>Continue to Increase adoption of building electrification and provide opportunities/incentives to electrify all end-uses for residential building projects both new construction and alterations</i> |                                                                                                                                                                                                                    |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>This program leverages external funding sources like TECH, HEERA. There is coordination amongst programs to prevent double dipping.</i>        |                                                                                                                                                                                                                    |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Forecast Accuracy, # Heat Pumps installed, All-Electric project units completed, Market Support metrics TBD</i>                                                                               |                                                                                                                                                                                                                    |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                                                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_Res_electric/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_Res_electric/details/</a> |

|                                                                                                                                                                              |                                                        |                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Program Name: SW New Construction Res - All Electric - PGE Costs</b>                                                                                                      |                                                        |                                                                                                                                                                                                                          |
| <b>Program ID: PGE_SW_NC_Res_electric_PA</b>                                                                                                                                 |                                                        |                                                                                                                                                                                                                          |
| <b>New / Existing: Existing</b>                                                                                                                                              |                                                        |                                                                                                                                                                                                                          |
| <b>Expected Program Duration: 2021 - onwards</b>                                                                                                                             |                                                        |                                                                                                                                                                                                                          |
| <b>Portfolio Segment:</b><br><i>Market Support</i>                                                                                                                           | <b>Program Implementer Type:</b><br><i>Non-Program</i> | <b>Third-Party Program Implementer:</b><br><i>N/A</i>                                                                                                                                                                    |
| <b>Applicable Sector:</b><br><i>Residential</i>                                                                                                                              |                                                        | <b>Customer Group(s):</b><br><i>Non-Program</i>                                                                                                                                                                          |
| <b>Sector Challenges:</b><br><i>Non-Program</i>                                                                                                                              |                                                        | <b>Sector Opportunities:</b><br><i>Non-Program</i>                                                                                                                                                                       |
| <b>Brief Program Description:</b><br><i>The program ID captures the PG&amp;E program administrator costs for the related statewide program, but is not a program itself.</i> |                                                        |                                                                                                                                                                                                                          |
| <b>Known Equity Concerns in the Selected Markets (if applicable):</b><br><i>Non-Program</i>                                                                                  |                                                        | <b>Proposed Solutions to Equity Concerns (if applicable):</b><br><i>Non-Program</i>                                                                                                                                      |
| <b>Intervention Strategy:</b><br><i>Non-Program</i>                                                                                                                          |                                                        | <b>Delivery Type:</b><br><i>Downstream</i>                                                                                                                                                                               |
| <b>Measurement and Verification Methods:</b><br><i>Non-Program</i>                                                                                                           |                                                        | <b>Program Total System Benefit (TSB) for 2028-2031:</b><br><i>\$0</i>                                                                                                                                                   |
| <b>Annual Budgets for 2028-2031:</b><br><i>2028: \$189,564</i><br><i>2029: \$196,620</i><br><i>2030: \$203,940</i><br><i>2031: \$211,605</i>                                 |                                                        | <b>Cost Effectiveness for 2028-2031:</b><br><i>TRC: 0.00</i><br><i>PAC: 0.00</i><br><i>SCT Base: 0.00</i><br><i>SCT High: 0.00</i><br><i>RIM: 0.00</i>                                                                   |
| <b>Anticipated directional and scale changes in budget for years 2032-2035:</b><br><i>Non-Program</i>                                                                        |                                                        | <b>Market Actors necessary for success:</b><br><i>Non-Program</i>                                                                                                                                                        |
| <b>High-level description of delivery workforce including necessary scale and its risks:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                                          |
| <b>Near-term Program Output(s) (1-4 years):</b><br><i>Non-Program</i>                                                                                                        |                                                        |                                                                                                                                                                                                                          |
| <b>Long Term Outcome (5-10 years):</b><br><i>Non-Program</i>                                                                                                                 |                                                        |                                                                                                                                                                                                                          |
| <b>Does this program interact with other programs in this PA portfolio? If so, describe:</b><br><i>Non-Program</i>                                                           |                                                        |                                                                                                                                                                                                                          |
| <b>Program Metrics and Indicators (KPIs):</b><br><i>Non-Program</i>                                                                                                          |                                                        |                                                                                                                                                                                                                          |
| <b>Does this program utilize Integrated Demand Side Management (IDSMS)?</b><br><i>None</i>                                                                                   |                                                        | <b>Link to Existing Implementation Plan, if existing:</b><br><a href="https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_Res_electric_PA/details/">https://cedars.cpuc.ca.gov/programs/PGE_SW_NC_Res_electric_PA/details/</a> |