

2025-2026 Joint Cooperation Memo

Pacific Gas and Electric Company (PG&E)
Northern California Rural Regional Energy
Network (NREN)

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I. SUMMARY OF NREN AND PG&E PORTFOLIO COORDINATION, 2025-2026

D.18-05-041 requires Program Administrators (PAs) to submit a joint cooperation memorandum (JCM) between Energy Efficiency (EE) PAs with overlapping service areas. Specifically, the decision states in section 7.1: “The joint cooperation memos between IOUs and RENs must include the following details:

- RENs must include a summary of the programs they intend to run; if the IOU(s) who shares territory with a REN offers a similar program, the IOU(s) must also provide the same summary of their program. The summary for each PA’s program must include eligible measures, budgets, and target audiences. The RENs and IOUs must describe how they will offer their corresponding portfolios and avoid duplication.
- RENs must also include a discussion section for each program, summarizing how the program meets at least one of the criteria outlined in D.12-11-015, i.e., aimed at hard-to-reach customers (which can overlap with an IOU offering); programs that IOUs do not offer; and pilots not offered by IOUs but with the possibility of scaling.”

In D.23-06-055¹ the Rural Regional Energy Network (RuralREN) Portfolio Plan and Strategic Business Plan application was approved. Since then, the RuralREN was modified by D.24-09-031² into the Northern California Rural Regional Energy Network (NREN) and the Central California Rural Regional Energy Network. NREN is submitting a JCM with Pacific Gas and Electric Company (PG&E), in accordance with D.23-06-055, Ordering Paragraph 8² part a.

For the North Coast and Northern Sierra, NREN and PG&E (hereinafter referred to as the “Joint PAs”) portfolios will focus on collaboration with respect to the Joint PAs’ overlapping territories, as NREN begins to design and launch its first ratepayer-funded energy efficiency programs as a new PA. This memo focuses on the current program coordination timeframe of 2025-2026 and includes budget details for 2024-2026 for completeness.

NREN and PG&E policy and program staff will work together to establish methods of communication and collaboration to ensure that cooperation, coordination, and the best service to joint territory ratepayers is realized. NREN and PG&E staff will jointly determine a meeting schedule for 2025-2026. Meetings will occur on a regular basis for each set of programs: Residential, Commercial, Finance, Public, Workforce Education and Training (WE&T), and Codes and Standards. Meetings may include discussions on program changes, customer choice, marketing, policy, and double dipping prevention. NREN Administration and Program Management Team and the PG&E Program Coordination Lead will meet on a quarterly basis (at minimum) to discuss ongoing collaboration and coordination. NREN and PG&E will cross-promote each other’s programs as appropriate.

¹ <https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M512/K907/512907396.PDF>

² Ordering Paragraph 8: The proposal for a Rural Regional Energy Network (R-REN) filed by the Redwood Coast Energy Authority is approved and funded as detailed in Tables 5 and 6 of this decision. R-REN shall submit three separate joint cooperation memos (JCMs): (a) A JCM with Pacific Gas and Electric Company (PG&E) (for the North Coast); (b) A JCM with PG&E and Tri-County Regional Energy Network (for the Central Coast); and (c) A JCM with PG&E, Southern California Edison Company, Southern California Gas Company, and Southern California Regional Energy Network (for the San Joaquin Valley and High Sierra).

II. SUMMARY OF NREN PORTFOLIO OF PROGRAMS OFFERED AND COMPARABLE PARTNER PROGRAM ADMINISTRATORS PROGRAMS

A. RRN001: Residential Equity

NREN Program Summary (RRN001) Residential Equity:

NREN’s Residential Equity program connects rural residential communities to energy efficiency opportunities through targeted outreach, education, assessments, and technical assistance focusing on equity-targeted hard-to-reach and underserved rural customers who often face very high energy burdens. The program aids rural communities in better understanding the concepts of energy conservation, energy efficiency, electrification, and demand response. The program also connects customers to the opportunities for energy savings that might exist in their homes and guides customers to other NREN programs as well as external programs and resources to support implementation of energy projects. The program includes phone-based assessment, in-person assessments, outreach events and educational workshops. The program also provides some small energy saving measures through direct installation during assessment and energy saving kits that can be handed out at outreach events or shipped directly to customers’ homes.

1. Summary of Program Differentiation

The table below summarizes the comparable Residential Equity programs operated by NREN and PG&E, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 1: NREN and PG&E Residential Equity Program Differentiation Summary

Program Parameters	NREN Residential Equity	PG&E Programs	
		Energy Savings Assistance (ESA) Main Program	CA Energy Smart Homes Program
Target Audience(s)	Single Family Residential, Mobile Home, and Multifamily, primarily 2-4 units.	Single Family Residential, Mobile Home, and Multifamily not treated by ESA Multifamily Whole Building Program, primarily 2-4 units.	Single Family, Duplex, Townhome, Multifamily low-rise, Alterations, and Accessory Dwelling Units.

Resource or Non-Resource	Non-Resource (Equity)	Non-Resource (Low-Income)	Non-Resource (Market Support)
Eligible Measures	Phone-based consultants/energy assessments Home energy audits performed by Program staff with installation of simple EE measures: -Faucet aerators -Showerheads -LED bulbs -Pipe insulation EE kits mailed to customers. Items may include: -Faucet aerators -Showerheads -LED bulbs -Smart Strips -Weatherization Tools for measuring energy and hot water use Energy reports for all participants	Phone-based consultants/ in-person energy assessments ESA Main provides both basic and plus measures based on the home energy audits performed Appliances: i.e. Refrigerators & High Efficiency Clothes Washers (Plus) Domestic Hot Water: i.e. faucet aerators, low-flow showerheads (basic), water heater tank and pipe insulation, and water heater repair and replacement (plus) Enclosure: i.e. Air sealing, attic insulation, and caulking (plus) HVAC: i.e. Furnace repair and replacement, heat pump replacement, smart thermostat, duct test and seal (plus) Maintenance: i.e. AC lifecycle refrigerant management (plus) Lighting: i.e. LEDs (basic) Miscellaneous: i.e. Pool pumps (plus), power strips (basic) This is not a complete list of all measures that PG&E's ESA Main program provides. For a comprehensive list please see: Energy Savings Assistance (ESA), California Alternate Rates for Energy (CARE), and Family Energy Rate Assistance (FERA) Programs Annual Report Table 2.	Program Requirements (depending on dwelling type): Communicating thermostats Induction cooking Heat pump water heating Heat pump space heating Segregated circuits Install a 240-volt plug for electric vehicle charging infrastructure Battery storage readiness Thermostatic mixing valves Heat Pump Dryer

2024 Budget	\$271,973	\$118,462,500 Authorized	\$12,846,232 ³
2025 Budget	\$1,887,333	\$116,490,789 Authorized	\$13,949,284 ⁴
2026 Budget	\$1,875,112.	\$114,909,676 Authorized	\$13,950,180 ⁵

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E), ESA in Decision authorizing Low-Income Program Applications for Program Year 2021-2026 (D.21-06-015), and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

PG&E Comparable Program Overview and Objectives

The Energy Savings Assistance Program (ESA)

The Energy Savings Assistance Program (ESA) is a long-standing program in PG&E's service territory that is designed to deliver benefits to income-qualified households. ESA provides both homeowners and renters residing in all types of housing with no-cost weatherization, energy efficient appliances and energy education, assisting them in increasing the health, safety, and comfort of their home along with reducing their energy use and associated expenses.

California Energy-Smart Homes All Electric Residential Program (PGE_SW_NC_Res_electric)

Implementer: TRC

The statewide California Energy-Smart Homes All-Electric Residential Program (Energy-Smart Homes Program or CESHP) supports a high-level approach to achieving California's advanced energy efficiency policy goals by engaging with builders, developers and existing multi-family building owners, managers and contractors, to encourage them to build all-electric and recruit potential projects. The program is available to projects located in PG&E, SCE, and SDG&E electric utility territories. The program offers incentives for single family, duplex, townhome, multi-family low-rise (three or fewer stories), accessory dwelling unit (ADU), and alteration projects. The objective of the program is to influence the decision and ease the transition to adopt all-electric new construction practices. To accomplish this, the program will educate potential participants and stakeholders on the features of all-electric homes, enroll projects, emphasize the installation of advanced energy efficiency measures, and facilitate future opportunities through non-incentivized, prerequisite measures that position homes to install high-impact demand response technologies more easily in the future. For more information visit [caenergysmarthomes.com](https://www.caenergysmarthomes.com). The California Energy Design Assistance programs, included in the Commercial programs section below, also offer support for multifamily buildings over three stories.

³ Statewide California Energy Smart Homes Program is jointly funded by PG&E, SCE, and SDG&E. The 2024-2026 budgets reflected in this table are the entire program budget, not PG&E statewide allocation.

⁴ Ibid.

⁵ Ibid.

Coordination Protocol Between Programs

According to Resolution E-5400, NREN is ordered to include a monitoring plan for overlap with ESA in its mid cycle advice letter (MCAL) to be filed by 11/4/25. The monitoring plan includes the below coordination.

NREN program team will initiate regularly scheduled program coordination calls with PG&E programs teams and local ESA Implementers. Ad-hoc meetings will also be scheduled to accommodate the need to resolve any urgent issues that might arise. Standing agenda items may include program updates, uptake, challenges, contractor issues, data sharing, double dip prevention processes, and marketing campaign plans.

Although Residential Resource and Non-Resource programs are listed in separate sections, in the regular coordination calls, the entire Residential sector will be discussed holistically to ensure coordination across all customers.

The key differences between the NREN Residential Equity Program and the ESA and the PG&E Energy Smart Homes Program Includes:

Geography: ESA and Energy Smart Homes serve all of PG&E territory while NREN programs only serve the 17 counties within NREN territory.

Customers: The NREN program will primarily target underserved, HTR, and tribal customers, which may include low-income customers. The ESA program serves only income qualified customers. Where a customer qualifies for both programs, the NREN program will only provide services that are not provided by the ESA program. These services will be established through coordination with the ESA program as described in the next section. The NREN Program will then make a referral to the ESA program on behalf of the customer and follow up on services. If the customer cannot be served by ESA, they may refer the customer back to NREN for additional services.

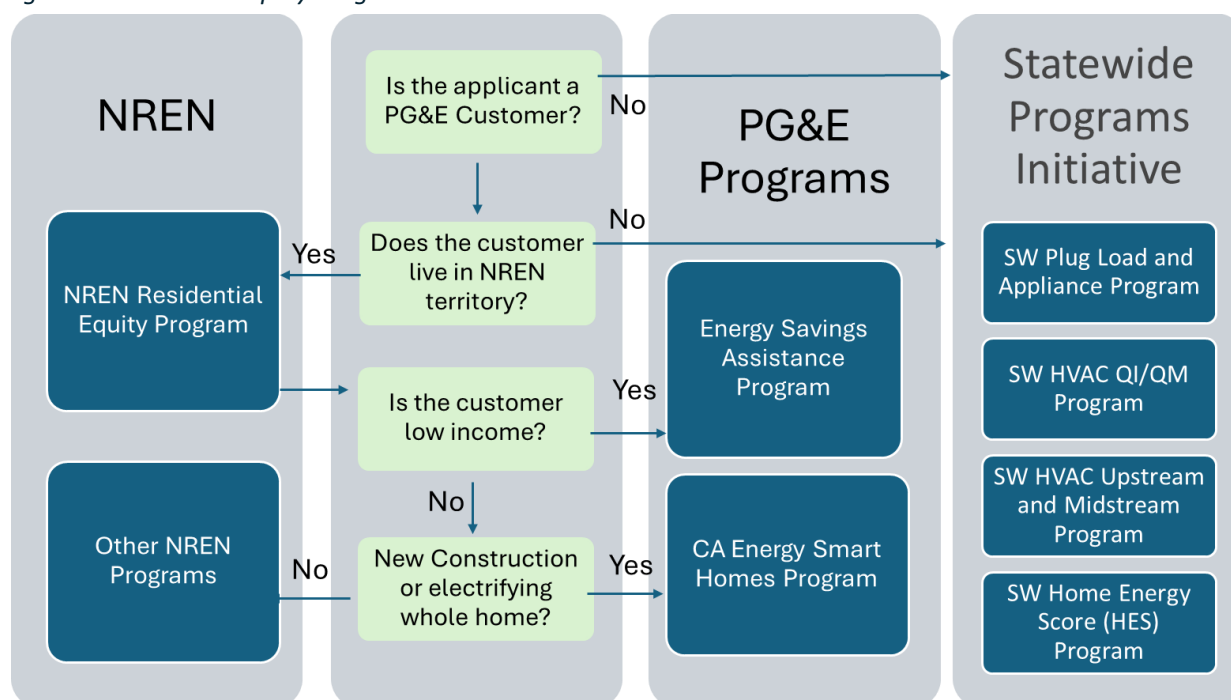
The PG&E Statewide Energy Smart Homes program is for New Construction and large alterations on existing buildings, while the NREN program will address existing buildings. In the case where a customer is interested in undertaking a whole building electrification project, and completely removing natural gas end uses from the building, the PG&E Statewide Energy Smart Home program is likely the best path of participation. The Statewide program does not provide incentives for single-measure electrification projects. Program coordination between NREN team and PG&E teams will occur for customers eligible in both programs, as described in the next section.

To monitor coordination, NREN will keep track of the number of customers, and which program each customer is referred to. NREN will report on this data in its 2025 Annual Report.

Coordination Protocol Between Statewide Programs

The Statewide Plug Load and Appliance Program, Statewide HVAC QI/QM Program, and Statewide HVAC Upstream and Midstream Program led by PG&E, and the Statewide Home Energy Score (HES) Program, led by BayREN, may require additional layers of coordination. NREN is responsible for coordination with other Lead Program Administrators for relevant programs.

Figure 1: Residential Equity Program Decision Tree



Compliance with REN Program Criteria

Table 2: Residential Equity REN Program Criteria Compliance

REN Criteria	NREN Residential Equity
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	Currently, there are no CCAs or PAs in the NREN region providing in-person energy assessments to Residential customers and in-person educational events. Only Sonoma Clean Power (SCP) also offers residential kits to PG&E electric customers in Mendocino County and NREN is coordinating very closely as to not overlap services.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	n/a

REN Criteria	NREN Residential Equity
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of underserved customers, as well as being uniquely positioned to reach tribal communities.

B. RRN002: Residential Resource Acquisition Program

NREN Program Summary (RRN002) Residential Resource Acquisition Program:

NREN's Residential Resource Acquisition program is a comprehensive EE and decarbonization program offering technical services, customer rebates and incentives, and direct installation of measures aimed at reducing energy usage, on-peak load and GHG emissions. The program will be offered in all NREN's regions, which are mostly remote and sparsely populated areas. The program uses a whole-house approach to increase adoption of EE, demand response, and decarbonization measures, while providing added safety, resilience, and occupant comfort benefits. While not categorized as an Equity segment program, the program will prioritize services for underserved and geographically hard-to-reach rural customers who often face very high energy burdens. The program compliments NREN's Residential Equity program by integrating its marketing, outreach, and education activities.

In the original RuralREN Business Plan application, the Resource Acquisition programs planned to use Deemed Savings to claim energy savings. NREN will continue to use deemed savings for the downstream rebate delivery, however, the direct install program will be shifting to the NMEC savings methodology. NREN has contracted with kW Engineering for program design and technical implementation of the NMEC measures.

Summary of Program Differentiation

The below table summarizes the comparable Residential Resource Acquisition programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 3: NREN and PG&E Residential Resource Acquisition Program Differentiation Summary

Program Parameters	NREN Residential Resource Acquisition	PG&E Residential Resource Acquisition
Target Audience(s)	Single Family Residential Mobile Homes, 4 units or less: Focus on reaching Spanish Speaking, Tribal + additional Hard to Reach and underserved Customers	Single Family Residential, low- to moderate-income households;
Resource or Non-Resource	Resource Acquisition	Resource Acquisition
Eligible Measures	Energy Star Appliances, Building envelope, heat pump HVAC, heat pump water heaters. Will also include other electrification measures for residents (i.e. cooking appliances).	Specific measures are still to be determined. General strategy is to drive comprehensive measure packages including building envelope, heat pump HVAC, heat pump water heaters.
2024 Budget	\$293,093	\$6,234,665
2025 Budget	\$ 2,531,238	\$10,621,930
2026 Budget	\$2,748,436	\$10,498,292

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031). The Residential program is part of the overall Measured Savings for Summer Reliability program design.

As PG&E's residential RA program is still in development, the NREN program differentiation will be determined during coordination meetings as described below. Some initial differences include the downstream rebate program offered by NREN that any customer may qualify for. These measures are deemed rather than using NMEC and do not require 12-months prior use history. NREN measures will also not require a minimum of 10% savings and post-installation monitoring. The larger NREN retrofit program may need to coordinate with the PG&E Res RA program, however, if the NREN program can provide similar services more cost effectively by using local contractors, the PG&E program may consider referring customers in NREN territory to the NREN program.

PG&E Comparable Program Overview and Objectives

Residential Resource Acquisition

The launch timing and scope of the PG&E Residential Resource Acquisition program is still being developed. The program is an add-on companion program with the commercial Measured Savings for Summer Reliability (MSSR) program. The overall objective is to target low- and moderate-income single-family homes, supporting comprehensive EE and decarbonization measure packages aimed at reducing energy usage, on-peak load and GHG emissions. The program intends to strategically leverage other residential electrification and EE incentive opportunities from state and/or federal funding sources to help cost-share expensive deep retrofit measures.

Coordination Protocol Between Programs

NREN and PG&E programs teams will hold regularly scheduled program coordination calls. Ad-hoc meetings will also be scheduled to accommodate the need to resolve any urgent issues that might arise. Standing agenda items may include program updates, uptake, challenges, contractor issues, data sharing, double dip prevention processes, and marketing campaign plans.

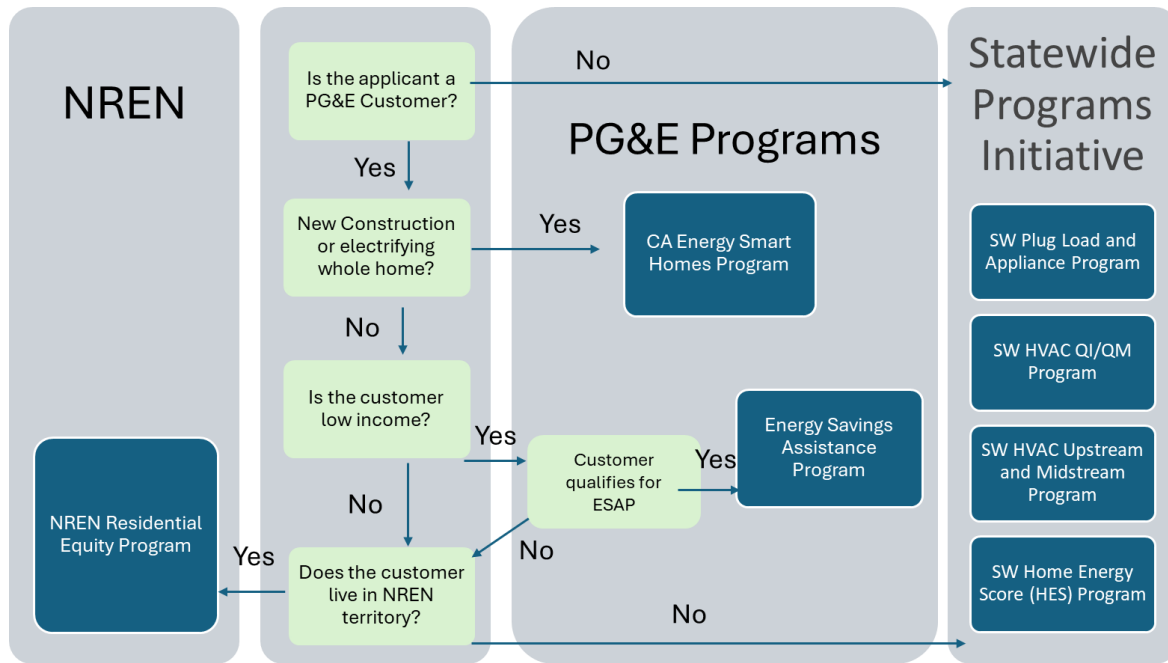
As PG&E's residential RA program is still in development, the NREN program differentiation will be determined during coordination meetings as described below. Some initial differences include the downstream rebate program offered by NREN that any customer may qualify for. These measures are deemed rather than using NMEC and do not require 12-months prior use history. NREN measures will also not require a minimum of 10% savings and post-installation monitoring. The larger NREN retrofit program may need to coordinate with the PG&E Res RA program, however, if the NREN program can provide similar services more cost effectively by using local contractors, the PG&E program may consider referring customers in NREN territory to the NREN program.

Although Residential Resource and Non-Resource programs are listed in separate sections, in the regular coordination calls, the entire Residential sector will be discussed holistically to ensure coordination across all customers.

Coordination Protocol Between Statewide Programs

The Statewide Plug Load and Appliance Program, SW HVAC QI/QM Program and Statewide_HVAC_Up_Res Program led by SDG&E, and the Statewide Home Energy Score (HES) Program, led by BayREN, may require additional layers of coordination. NREN is responsible for coordination with other Lead Program Administrators for relevant programs.

Figure 2: Residential Resource Acquisition Program Decision Tree



Compliance with REN Program Criteria

Table 4: Residential Resource Acquisition REN Program Criteria Compliance

REN Criteria	NREN Residential Resource Acquisition
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	Currently there is no CCA or PA downstream rebate catalog for Residential customers in the NREN region, except from Sonoma Clean Power to certain areas in Mendocino County. NREN is coordinating closely with SCP to stack services where it will help HTR and underserved customers. Outside of the Statewide Energy Smart Homes program focused on full electrification, there are currently no CCA or PA direct install residential programs in the NREN region and no programs focusing on energy efficiency in residential single family homes.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of underserved customers, as well as being uniquely positioned to reach tribal communities.

C. RRN003: Commercial Resource Acquisition Program

RRENN Program Summary (RRN003) Commercial Resource Acquisition Program:

NREN's Commercial Resource Acquisition program is a comprehensive energy efficiency and decarbonization program offering energy assessments, technical services, incentives, and direct installation of select measures all aimed at reducing energy usage, on-peak load, and GHG emissions in rural micro, small, and medium-sized businesses. The program will be offered in all NREN's regions, filling a gap in services to the most remote and sparsely populated areas and those most in need of a customized local delivery offering. The program uses a comprehensive approach to increase adoption of EE, demand response, and decarbonization measures, while providing operating cost savings and added non-energy benefits of safety, resilience, and occupant comfort for local businesses. While not categorized as an Equity segment program, a high proportion of the businesses served will be hard-to-reach and located in or near rural underserved communities. The Commercial RA program will primarily target HTR customers, and those who face barriers accessing PG&E programs due to size, location, or cost-effectiveness.

In the original NREN Business Plan application, the Commercial program planned to use Deemed Savings to claim energy savings. However, the program is now shifting to the NMEC savings methodology. NREN has contracted with kW Engineering for support with the NMEC measures. Savings forecasts were calculated using the Deemed Savings methodology.

Summary of Program Differentiation

The below table summarizes the comparable Commercial Resource Acquisition programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 5: NREN and PG&E Commercial Resource Acquisition Program Differentiation Summary

Program Parameters	NREN Commercial Resource Acquisition	PG&E Programs: - AEP HiTech Biotech⁶ - HEFI Healthcare Fitness⁷ - Measured Savings for Summer Reliability⁸ - NetOne Commercial⁹ - Simplified Savings Micro & Small Customer¹⁰
Target Audience(s)	Micro, Small, medium sized businesses	Commercial sector (micro, small, medium, and large customers), Healthcare, high-tech, and biotech,
Resource or Non-Resource	Resource Acquisition	Resource Acquisition
Eligible Measures	Minimal kitchen equipment fuel substitution, Heat Pump HVAC, Heat Pump Water Heaters, Refrigeration, Lighting	See program details below
2024 Budget	\$224,351	\$17,089,434
2025 Budget	\$1,668,258	\$22,573,906
2026 Budget	\$1,893,283	\$22,515,784

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

PG&E Comparable Program Overview and Objectives

Advanced Energy Program for High Tech & Biotech (PGE_Com_004)

Implementer: Resource Innovation

⁶ AEP Implementation Plan:

⁷ HEFI Implementation Plan:

⁸ MSSR Implementation Plan:

⁹ NetOne Implementation Plan:

¹⁰ Simplified Savings Implementation Plan:

The Advanced Energy Program is a demand side management (DSM) program offering site specific solutions for high-tech and biotech (HTBT) customers.

The Program focuses on identifying and implementing energy efficiency opportunities in the unique HTBT sector, with facility types ranging from multi-site campus retrofits to laboratory, clean room, and data center upgrades. Additionally, the Program offers extensive 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.

The Advanced Energy Program targets medium to large high-tech and bio-tech facilities but is available to smaller customers in the sector as well. Typical projects have ranged from 10,000 sq. ft of small offices to millions of sq. ft across high-tech and bio-tech campus facilities. Annual electric consumption from customer projects has ranged from several hundred thousand kWh to tens of millions of kWh. The program has typically been a building controls-centric program with HVAC systems as its primary technology focus. This program has primarily leveraged the customized incentive process but provides support for Deemed and NMEC projects, as well as assistance with PG&E's On-Bill Financing on an as-needed basis with customers.

Healthcare Energy Fitness Initiative (PGE_Com_005)

Implementer: Resource Innovations

The Healthcare Energy Fitness Initiative (HEFI) is a demand side management (DSM) program that offers site-specific solutions for PG&E's healthcare customers including public or private in-patient (hospital), outpatient (clinics), and residential living care facilities. HEFI focuses on the highest potential end uses in the healthcare segment, including HVAC retrofits, controls, and optimization – including central heating, cooling, and steam plants; lighting fixtures and advanced lighting controls; process and equipment loads, refrigeration, and plug loads.

HEFI targets medical facilities primarily for medium and large customers but is available to smaller customers in the sector as well. Typical projects have ranged from small medical office building spaces with lighting upgrades to multi-year central plant replacement efforts. This is a building controls-centric program with HVAC systems as its primary technology focus. This program has primarily leveraged the customized incentive and On Bill Financing processes but also provides support for Deemed and NMEC projects.

Measured Savings for Summer Reliability (PGE_Com_006)

Implementer: Alternative Energy Systems Consulting (AESC)

The Measured Savings for Summer Reliability (MSSR) Program has the primary objective to reduce peak kW demand utilizing a meter-based approach with a strategic mix of measures and targeted load shapes to maximize TSB delivery. The goal is to provide customers and aggregators a friendly platform for customers of all sizes to leverage a full range of customer-enabling behavioral and retrofit strategies to shift and reduce load. Participating customers are able to leverage on-bill financing in addition to program incentives to help finance project costs.

NetOne Commercial Efficiency Program (PGE_Com_003)

Implementer: Ecology Action

The NetOne Commercial Efficiency Program is a downstream program that provides energy efficiency services, technical services, and incentive processing. Primarily serving the commercial real estate, hospitality, grocery and retail markets, NetOne provides a suite of incentives to commercial customers to install heat pump water heaters, refrigeration, HVAC, lighting, and meter-based energy savings using the Deemed, Custom, and NMEC platforms. The program also offers On Bill Financing to promote customer participation. The broad offering also puts NetOne in the position of accepting project types and sizes from a wide variety of market segments.

Simplified Savings Micro-Small Business Program (PGE_Com_SmallBiz)

Implementer: Resource Innovations

The Simplified Savings Program is PG&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 focuses on customers with a demand of less than 50kW and located within a CalEnviroscreen Disadvantaged Community (DAC). Hard to Reach (HTR) customers who meet the demand requirements but are not located within a DAC community may also qualify for the program. Bill reduction and customer engagement are the primary measures of success of this equity program. Simplified Savings intends to engage 7,500 micro- and small business customers over its current three-year term.

PG&E: California Energy Design Assistance All-Electric (CEDAE) Program (PGE_SW_NC_NonRes_electric)

Implementer: Willdan

The statewide CEDAE program serves commercial, public, high-rise multifamily residential, industrial, and agricultural new construction sectors, and major alterations facilities across the PG&E, SCE, and SDG&E territories. This program contributes to the IOUs' efforts to achieve their share of California's ambitious energy efficiency (EE), greenhouse gas reductions, and meet electrification goals by offering EE options tailored to each building during the design and construction process. CEDAE also offers technical assistance early in the process when it has the greatest influence on design and operation, driving energy savings beyond code and gathering data to further advance future codes. The CEDAE program enrolls and influences the non-residential new construction market to achieve deeper energy savings and decarbonization goals through key activities such as customer incentives, outreach and education, real-time energy modeling, verification, Integrated Demand Side Management (IDSM) support and data tracking to inform future codes and standards. For more information, visit California Energy Design Assistance (willdan.com).

PG&E: California Energy Design Assistance Mixed Fuel (CEDAM) Program (PGE_SW_NC_NonRes_mixed)

Implementer: Willdan

The CEDAM program serves commercial, public, high-rise multifamily, industrial, and agricultural new construction sectors, and major alterations facilities across the PG&E, SCE, SoCalGas, and SDG&E territories. CEDAM contributes to the IOUs' efforts to achieve their share of California's ambitious energy efficiency (EE), greenhouse gas reduction, and electrification goals by offering technical assistance early in the process when it has the greatest influence on design and operation, driving energy savings beyond code and gathers data to further advance future codes. The CEDAM program will enroll and influence the non-residential new construction market to achieve deeper energy savings and decarbonize through key activities such as customer incentives, outreach and education, real-time energy modeling, verification, IDSM support and data tracking to inform future codes and standards. For more information, visit California Energy Design Assistance (willdan.com).

Coordination Protocol Between Programs

NREN and PG&E programs teams will hold regularly scheduled program coordination calls. Ad-hoc meetings will also be scheduled to accommodate the need to resolve any urgent issues that might arise. Standing agenda items may include program updates, uptake, challenges, contractor issues, data sharing, double dip prevention processes, and marketing campaign plans.

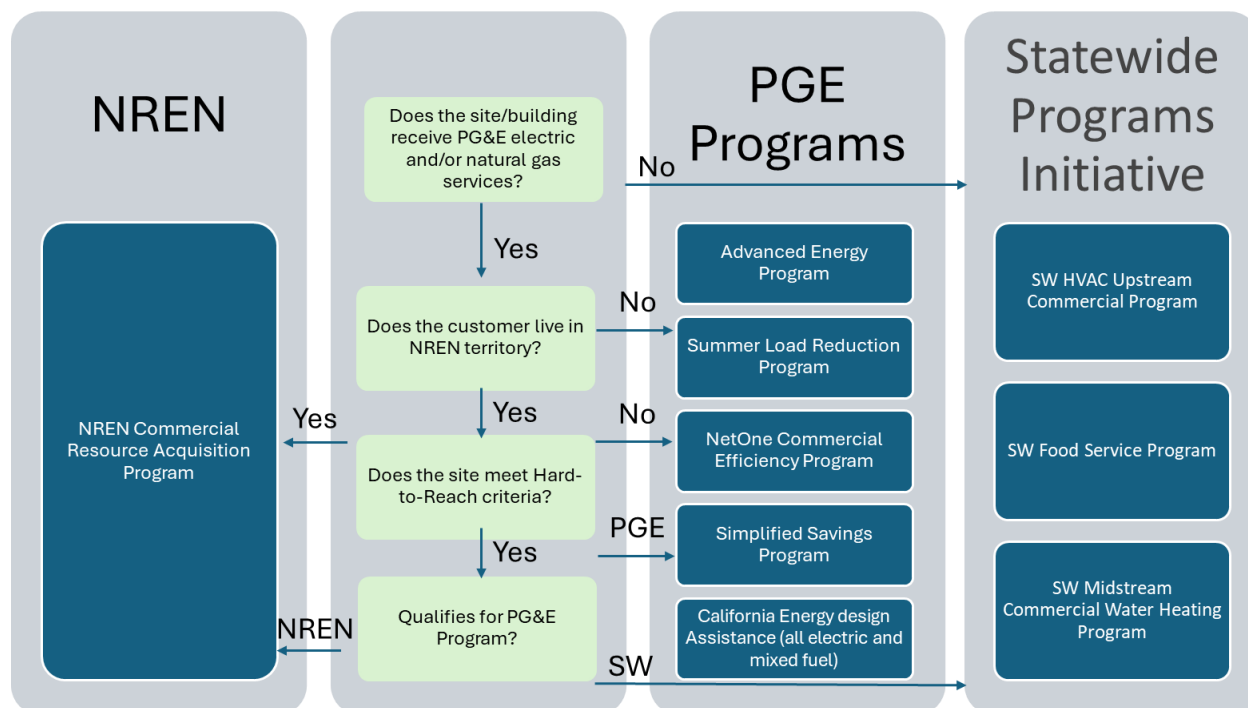
Primary differences between the NREN Commercial programs, and PG&E programs:

- Simplified Savings does not serve the counties in NREN territory.
- Advanced Energy Program: There is little to no high tech or biotech in the NREN territory. Any customers that qualify as HTBT will be referred to the Advanced Energy Program. NREN can even help facilitate projects by being boots on the ground support in the local area for any potential customers they see fit.
- There are very few medical facilities large enough to qualify for service by the Health Energy Fitness Initiative. Any facilities that qualify will be referred to the HEFI.
- Customers which are large enough to qualify, will be referred to NetOne. In recurring PG&E and NREN coordination calls, customer referrals and program coordination will be discussed and can be transferred to NREN to serve the customer. Similarly, customers identified by NetOne in the NREN territory that are too small to receive services can be referred to NREN for support.
- The MSSR Program has some additional requirements that NREN customers may not meet, such as a smaller list of eligible measures, specific measurement and verification requirements per the CPUC NMEC rulebook, or otherwise may not be cost effective to serve. In those cases NREN can provide services. Otherwise, NREN will first refer the customer to the MSSR program. Customer referrals will be discussed during recurring program coordination calls and can be transferred to the appropriate program based on location, size, and project scope.

Coordination Protocol Between Statewide Programs

The Statewide HVAC Upstream Commercial Program, led by SDG&E, and the Statewide Food Service Program and Statewide Midstream Commercial Water Heating Program, led by SoCalGas, may require additional layers of coordination. NREN is responsible for coordination with other Lead Program Administrators for relevant programs.

Figure 3: Commercial Resource Acquisition Program Decision Tree



Compliance with REN Program Criteria

Table 6: Commercial Resource Acquisition REN Program Criteria Compliance

REN Criteria	NREN Commercial Resource Acquisition
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	There are PA programs supporting small, micro, medium, and large commercial customers in the PG&E and SW portfolios. However, due to budget limitations and vast territory, the furthest rural customers are more difficult to serve.
2. Pilot activities where there is no current utility or CCA program	n/a

REN Criteria	NREN Commercial Resource Acquisition
offering and where there is potential for scalability	
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of underserved customers.

D. RRN004: Finance Equity Program

NREN Program Summary (RRN004) Finance Equity Program:

As described in the new NREN Business Plan, the cross-cutting NREN Finance Program will equitably support the residential, SMB, and public sectors in the NREN communities through low/no cost loans that will encourage and accelerate the implementation of energy efficiency projects. NREN Financing Program loan products will address first-cost and access to capital barriers that exist in rural California and will span gaps in current investor-owned utility (IOU) and other statewide offerings. The NREN Financing Program will offer bridge loans to complement and improve the effectiveness of IOU on-bill financing (OBF) by removing barriers to participation. Micro loans will fill a niche in the realm of currently available financing products for loans for EE upgrades below current minimum loan amounts, with easy qualifying and flexible repayment terms.

NREN has contracted with Frontier Energy on a needs assessment and design of the program. The details of the program will be included in the Implementation Plan currently in development.

Summary of Program Differentiation

The table below summarizes the comparable Finance Equity programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 7: NREN and PG&E Finance Equity Program Differentiation Summary

Program Parameters	NREN Finance Equity Program	PG&E [On Bill Financing (OBF) ¹¹ GoGreen Financing ¹²]
Target Audience(s)	TBD, but possibly Residential, Micro, Small, and Medium-sized Businesses, Public	OBF: Non-residential customers in the micro, mid, small, mid-size and public sector. GoGreen: Residential customers through GoGreen Home.
Resource or Non-Resource	Non-Resource (Equity)	Non-Resource (Market support)
Eligible Measures	TBD	For OBF - All energy efficiency measures currently listed in our catalog which may include, lighting, heating, ventilation, etcetera. Additionally Battery Storage and EV Charging Infrastructure For GoGreen Financing (residential and Business): Most clean energy technologies including energy efficiency, EV charging equipment, and solar/Storage
2024 Budget	\$593,860 (incl. \$500,000 to start loan fund)	OBF \$60,000,000
2025 Budget	\$2,027,595 (\$1,000,000 to loan fund)	OBF \$55,000,000 GGF: \$4,000,000 in credit enhancements
2026 Budget	\$1,957,512 (\$1,000,000 to loan fund)	Estimated: OBF: 60,000,000 GGF: \$4,000,000 in credit enhancements

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

¹¹ OnBill Financing Implementation Plan: https://cedars.cpuc.ca.gov/programs/PGE_OBFAP/details/

¹² GoGreen Financing Website: <https://www.gogreenfinancing.com/>

PG&E Comparable Program Overview and Objectives

OnBill Financing (OBF) [PGE_OBFAP]

Implementer: PG&E

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&E bill. OBF helps customers, who would otherwise have difficulty qualifying for commercial credit, get over the first-cost hurdle to EE investment, unlocking broader and deeper cost savings while supporting PG&E's energy savings targets. More information to support customers can be found on the OBF Website¹³, including eligibility and application.

OBF relies on the development of the project by a Trade Professional enrolled in the PG&E Trade Professional Program or a PG&E Program Implementer. PG&E will work with NREN to train trade professionals in the region who have interest in developing OBF Projects

GoGreen Financing

Implementer: California Alternative Energy and Advanced Transportation Financing Authority

GoGreen Financing is funded by PG&E (with other IOUs) to provide below market rate financing for residential and commercial customers. The program is operated by the California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA)¹⁴. Reduced rate loans are provided by banks and credit unions participating in the program to support customers with their clean energy projects.

Summary of Financing Offerings

Program	Customer	Funding Available	Measures	Links
On-Bill Financing	Non-Residential Customers	\$250,000 with terms up to ten years (120 months). Projects that qualify as unique energy savings opportunities can qualify for up to \$4,000,000 with terms up to ten years (120 Months)	Energy Efficiency, EV Charging Battery Storage 50% of the loan must be used for Energy Efficiency, the other 50% can be used for EV Charging and/or Battery Storage	On-Bill Financing Customer and Contractor Handbook
GoGreen Home	Residential	Private loans with participating lenders that are subsidized by PG&E.	Clean Energy (Solar must be paired with Battery),	California Energy Efficiency Loans for

¹³ OBF Website: www.pge.com/energyefficiencyfinancing

¹⁴ GoGreen Financing CAEATFA Website: <https://www.gogreenfinancing.com/>

		Terms are variable by lender see current offerings here: //www.gogreenfinancing.com/energy-efficiency-home-loans-california/finance-options/	Energy Efficiency, EV Charging	Homes & Businesses Go Green Financing
GoGreen Business	Small Business	Private loans with participating lenders that are subsidized by PG&E. Terms are variable by lender. See current offerings here. https://www.gogreenfinancing.com/energy-efficiency-business-loans-california/finance-options/	Clean Energy (Solar must be paired with Battery), Energy Efficiency, EV Charging	California Energy Efficiency Loans for Homes & Businesses Go Green Financing

Coordination Protocol Between Programs

On-Bill Financing is available to all customers billed by PG&E. All REN customers are eligible for OBF loans, if they meet additional credit and project eligibility. REN customers who are interested in On-Bill Financing can be referred to the list of Trade Professionals maintained by PG&E who are familiar and trained in the On-Bill Financing program. PG&E will work with NREN to support training of trade professionals operating in the NREN area in OBF.

PG&E can also provide marketing collateral and guidance documents for participating in On-Bill Financing for customers and contractors working with NREN.

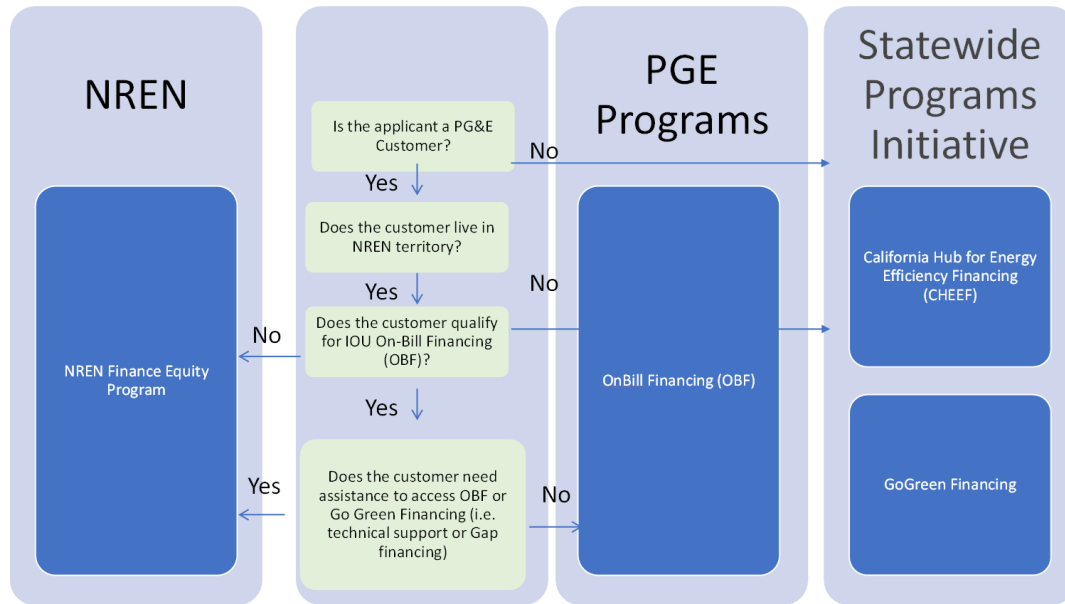
NREN and PG&E On-Bill Financing (OBF) program teams will hold regularly scheduled program coordination calls. Ad-hoc meetings and training will also be scheduled to accommodate the need to resolve any urgent issues that might arise. Standing agenda items may include program updates, challenges, contractor issues, data sharing, and marketing campaign plans.

Coordination Protocol Between Statewide Programs

Statewide programs include California Hub for Energy Efficiency Financing (CHEEF) and California GoGreen Financing.

PG&E and NREN will conduct regularly scheduled check-in calls as described.

Figure 4: Finance Equity Program Decision Tree



Compliance with REN Program Criteria

Table 8: Finance Equity REN Program Criteria Compliance

REN Criteria	NREN Finance Equity Program
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	PG&E's OBF Program issues loans greater than \$5,000 to NonResidential customers. GoGreen Financing through the State of California has smaller loan amount offerings. These loans are not 0% interest and the lenders in our area do not offer loans <\$5000. GoGreen is a Statewide program for Res and NonResidential customers funded by all of the IOUs.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	n/a

E. RRN005: Public Equity Program

NREN Program Summary (RRN005) Public Equity Program:

The NREN Public Equity Program is a public agency-focused program designed to help hard-to-reach and underserved public agencies in Lake and Mendocino counties access, understand, and participate in energy efficiency by providing local expertise and knowledge of public buildings and infrastructure. The program builds on existing relationships, data, and experience to bring savings and knowledge of energy use to public sector customers.

Summary of Program Differentiation

The below table summarizes the comparable Public Equity programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 9: NREN and PG&E Public Equity Program Differentiation Summary

Program Parameters	NREN Public Equity Program	PG&E Government & K-12 Program ¹⁵
Target Audience(s)	Local Governments, Public Agencies, Special Districts, K-12 Schools	Local Governments, Public Agencies, Special Districts, K-12 Schools not exclusive to, but including Equity customers.
Resource or Non-Resource	Non-Resource (Equity)	Resource Acquisition
Eligible Measures	Benchmarking, technical assistance to access incentives and funding technical assistance to access incentives and funding	HVAC, Lighting and controls, Retrocommissioning, behavioral strategies
2024 Budget	\$25,377	\$11,202,276
2025 Budget	\$344,867	\$10,300,000.00
2026 Budget	\$413,074	\$10,300,000.00

¹⁵ Willdan GK12 Implementation Plan:

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

Key differences:

The NREN Public Equity Program in Lake and Mendocino Counties does not provide incentives and can work directly in coordination with the Willdan GK12 program as many LGP programs already do.

PG&E Comparable Program Overview and Objectives

Government and K-12 (GK-12) Comprehensive Program (PGE_Pub_009)¹⁶

Implementer: Willdan Energy

The Government and K-12 (GK-12) Comprehensive Program includes a broad offering of EE measures to diverse markets of local governments and K-12 public and charter schools. GK-12 has an emphasis on building electrification, with a strong focus on water heating, which aligns with substantial interest in the government and K-12 sectors. Utilizing the meter-based savings platforms, the Program offers HVAC and Lighting equipment and control system upgrades, retro commissioning recommendations, and behavioral strategies to optimize system efficiencies. The Program is designed to cost-effectively complete all sizes and scopes of projects and has a goal of engaging nearly half of its customers from the HTR and DAC sectors.

Coordination Protocol Between Programs

NREN and PG&E programs teams will hold regularly scheduled program coordination calls. Ad-hoc meetings will also be scheduled to accommodate the need to resolve any urgent issues that might arise. Standing agenda items may include program updates, uptake, challenges, contractor issues, data sharing, double dip prevention processes, and marketing campaign plans.

- Create a referral system for counties that are both part of NREN and have an operating PG&E LGP.
- If any local governments in a county with an LGP contact NREN's technical services directly, they will be referred to the PG&E LGP.
- PG&E's LGP will be able to access NREN's technical resources and services on behalf of the local governments within their counties.
- NREN will coordinate with the LGPs when developing the database for technical resources and services. The database will include PG&E offerings, as well as statewide programs and new programs as they are implemented.

¹⁶ Willdan GK12 Implementation plan:

- Ongoing coordination:
 - Meet as needed as NREN programs launch, then develop a regular meeting schedule.
 - Agenda: program updates
 - Attendance: NREN Senior Management Team and PG&E Coordination Team leaders and PG&E program managers will be included in as-needed meetings to discuss ongoing collaboration and coordination.

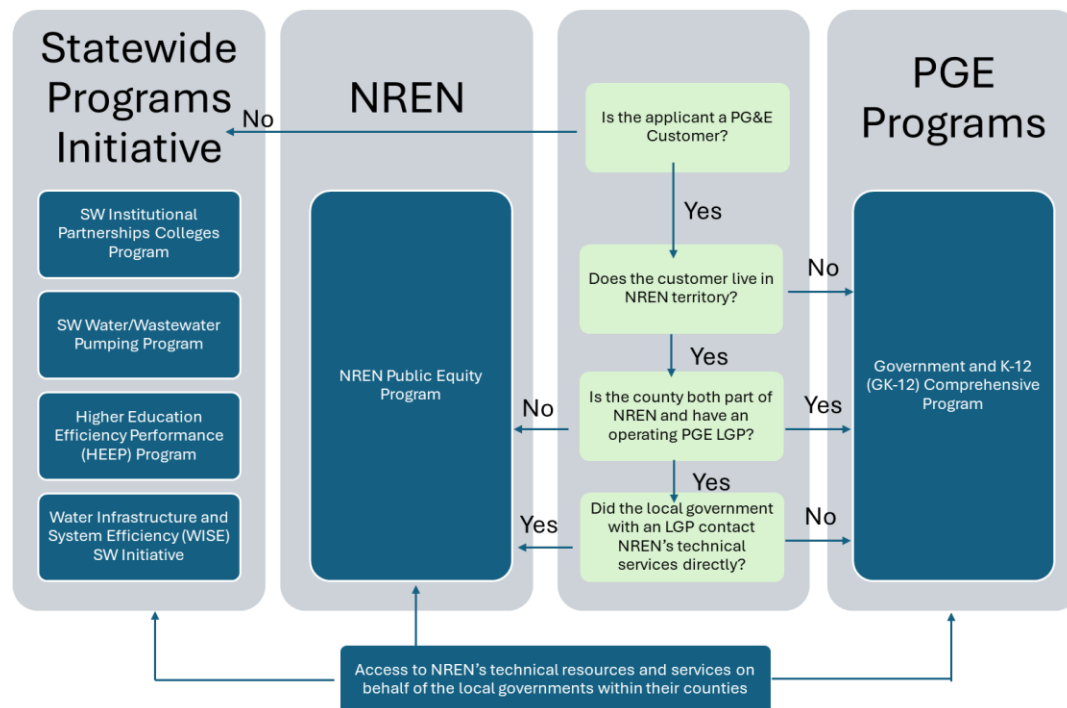
Additionally, a difference between the NREN Public Equity Program in Lake and Mendocino Counties is that it does not provide incentives and, thus will partner and work directly in coordination with the PG&E Willdan GK12 program as many LGP programs already do to provide additional customer support.

Coordination Protocol Between Statewide Programs

The Statewide Institutional Partnerships Colleges Program, and the Statewide Water/Wastewater Pumping Program, led by SCE, may require additional layers of coordination. NREN is responsible for coordination with other Lead Program Administrators for relevant programs.

Statewide programs include Higher Education Efficiency Performance (HEEP) Program and Water Infrastructure and System Efficiency (WISE) Statewide Initiative. PG&E and NREN will conduct regularly scheduled check-in calls as described. However, NREN will be responsible for coordinating with the lead IOU for specific data needs or participant details.

Figure 5: Public Equity Program Decision Tree



Compliance with REN Program Criteria

Table 10: Public Equity REN Program Criteria Compliance

REN Criteria	NREN Public Equity Program
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	Currently there are no Local Government Partnerships in Mendocino or Lake County.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	Provide a short narrative description or simply “n/a”
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	n/a

F. RRN006: Workforce, Education & Training Program

NREN Program Summary (RRN006) Workforce, Education & Training Program:

The cross-cutting WE&T program accelerates training, including upskilling of existing workers and training for new workers. The program addresses skills training and supports building professionals, while coordinating with local community colleges and agencies for training support. The program intends to ensure that training is available within the NREN communities where distance to training centers has been a barrier and/or IOU offered virtual online training does not meet the participant’s needs. The program will also work with trainees entering the workforce and ensure that the rural communities have access to trained and skilled workers. As detailed in the Codes & Standards section below, the codes & standards activities will be shifted to the WE&T program instead of being a separate program. NREN met with the Energy Division (ED) to discuss this change, and the ED advised NREN to re-segment its WE&T program from Equity to Market Support instead to account for the inclusion of the Codes & Standards activities. NREN is following ED’s guidance and will submit an advice letter on 11/3/25 (AL #005-E/005-G) to detail the closure of the C&S program, re-segmentation of the WE&T program, and the shift of C&S activities into WE&T.

The training activities described will also include educating building departments and building pro provide rural building departments and building professionals with education and technical resources to increase comprehension and compliance in the California Building Energy Efficiency Code (Title 24) and

escalate more rapid adoption of new standard technologies. The codes and standards training will leverage current IOU and Statewide offerings and will serve geographically rural and hard-to-reach areas that have distinct characteristics and needs.

Due to the inclusion of the codes and standards training in the WE&T program, the Codes & Standards program will be closed at the end of 2025.

The WE&T program was also evaluated for its categorization in the equity segment. As the program focused heavily on developing partnerships with community colleges and bringing existing training to the NREN region to strengthen the market actors, the market support segment appeared to be a better fit for the program. The change of RRN006 from the equity to market support segment is presented in NREN's AL (#005-E/005G) to be filed 11/3/25

Summary of Program Differentiation

The below table summarizes the comparable WE&T programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 11: NREN and PG&E WE&T Program Differentiation Summary

Program Parameters	NREN WE&T Program	PG&E WE&T Integrated Energy Education and Training (IEET)	SW WE&T Career and Workforce Readiness (CWR)	SW WE&T Career Connections (CC)
Target Audience(s)	Workforce, Education and Training	Incumbent and emerging workforce	Disadvantaged Workers	K-12 Students and Educators
Resource or Non-Resource	Non-Resource (Equity)	Non-Resource (Market Support)	Non-Resource (Equity)	Non-Resource (Market Support)
Eligible Measures	n/a	n/a	n/a	n/a
2024 Budget	\$69,398	\$8,734,790		
2025 Budget	\$569,733	\$8,750,012		
2026 Budget	\$629,399	\$8,368,331		

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

PG&E Comparable Program Overview and Objectives

PG&E: WE&T Integrated Energy Education and Training (IEET) (PGE_21071)¹⁷

Implementer: PG&E - Local

PG&E's local Integrated Energy Education & Training (IEET) program serves the incumbent energy efficiency, electrification, and decarbonization workforce—people who design, build, maintain, or operate buildings and building systems—across several market segments, including agriculture, foodservice, commercial, industrial, and residential. IEET typically provides in-person and web-based education and training programs, collaborations with training partners including community colleges, and energy measurement tool loans.

PG&E: WE&T Career Connections (CC): Energy is Everything (EisE) (PGE_SW_WET_CC)¹⁸

Implementer: The Energy Coalition (TEC)

The statewide Career Connections third-party “Energy is Everything” (EisE) program helps to build the next generation of energy workers. EisE provides Kindergarten through Twelfth grade students the knowledge, skills, and abilities they need for college and career opportunities in the energy industry and motivates students to adopt pro-environmental behaviors. EisE incorporates career concepts for all learners, since early exposure to career options increases the chances of students pursuing and securing high-demand energy and STEM careers. Education providers targeted will primarily focus on those classified as “disadvantaged”.

PG&E: WE&T Career & Workforce Readiness (CWR): Energize Careers (PGE_SW_WET_Work)¹⁹

Implementer: Strategic Energy Innovations (SEI)

Energize Careers aims to create a diverse and representational energy workforce through the economic empowerment of people who experience personal or systemic barriers to entering and remaining in the energy workforce. Energize Careers assists program participants in accessing technical training and energy career opportunities. Energize Careers provides holistic services to support disadvantaged workers through technical training, job placement, and wrap-around service support. Energize Careers collaborates with pre-apprenticeship programs, apprenticeship programs, community-based training organizations, and community colleges to provide technical energy job training to disadvantaged workers. Energize Careers also collaborates with wrap-around service providers and industry partners to

¹⁷ WE&T Integrated Energy Education Training (IEET) Implementation Plan:

¹⁸ WE&T Career Connections (CC): Energy is Everything (EisE) (PGE_SW_WET_CC) Implementation plan:

¹⁹ WE&T Career & Workforce Readiness (CWR): Energize Careers (PGE_SW_WET_Work) Implementation Plan:

provide people with services and support to enter career pathways where they can leverage their energy efficiency knowledge and skills.

The CWR program currently being implemented by SEI under the name Energize Careers is in ramp-down stage and will end in early 2026. The CWR program has been rebid and will launch in mid-2026.

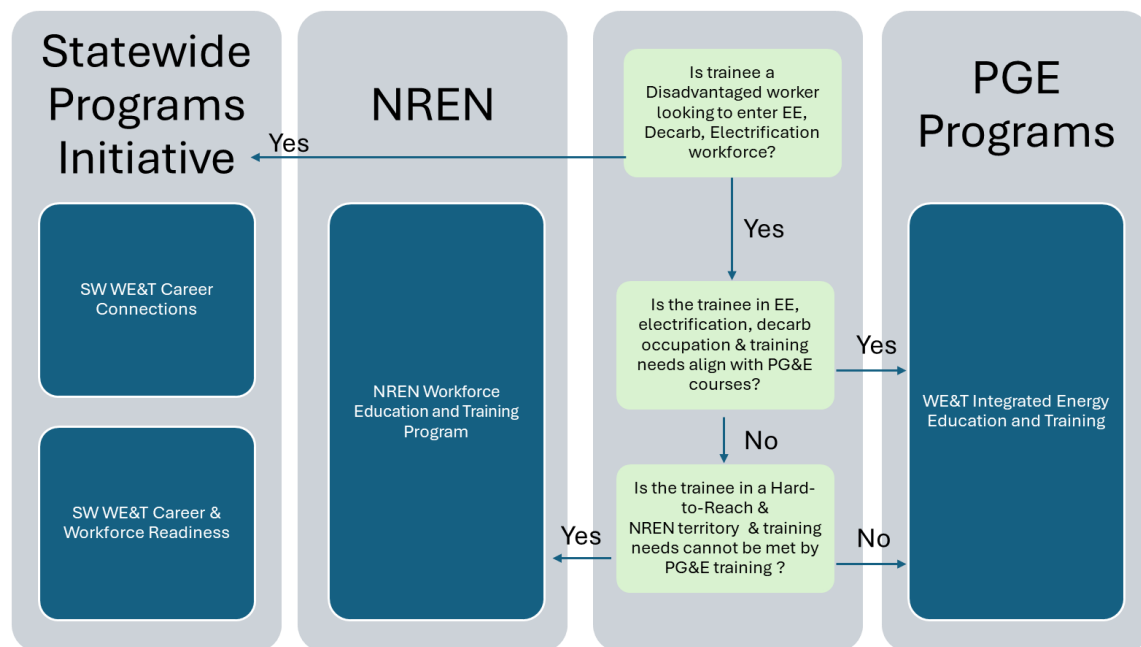
Coordination Protocol Between Programs

PG&E will provide NREN with a quarterly list of available WE&T trainings and NREN will also share a list of trainings provided with PG&E. Whenever feasible, NREN will leverage existing IOU curriculum and training by communicating training needs via email or in coordination meetings with the IOU.

One of the first activities of this program will be to conduct a needs assessment to see where existing programs are already providing services and ensure that NREN programs are filling gaps.

Coordination Protocol Between Statewide Programs

Figure 6: WE&T Program Decision Tree



Compliance with REN Program Criteria

Table 12: WE&T REN Program Criteria Compliance

REN Criteria	NREN WE&T Program
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	There are currently no options for in-person training or WE&T training tailored to the rural communities in NREN territory.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	The NREN WE&T program is unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide in-person training that other PAs cannot do cost effectively.

G. RRN007: Codes and Standards Program

NREN Program Summary (RRN007) Codes and Standards Program:

In NREN's AL (#005-E/005G) to be filed 11/3/25, NREN details the closing of its Codes and Standards Program. NREN met with the Energy Division (ED) to discuss this change, and the ED advised NREN to re-segment its WE&T program from Equity to Market Support instead to account for the inclusion of the Codes & Standards activities. NREN is following ED's guidance and will submit an advice letter on 11/3/25 (AL #005-E/005-G) to detail the closure of C&S program, re-segmentation of the WE&T program, and the shift of C&S activities into WE&T. In the NREN revised Business Plan, the NREN Codes & Standards (C&S) program was intended to connect building department and contractors with already existing training. The program was not intended to develop training curriculum, perform educational activities, or develop any resources to increase code compliance and enforcement. The activities described fit well with the program design of the Workforce, Education & Training Program, RRN006. For both operation efficiency and proper segmentation of the program, RRN007 will be closed at the end of 2025 and activities will be shifted under the RRN006, WE&T.

Because the program activities will still exist, just under RRN006, NREN has listed out coordination with PG&E's Codes and Standards program here.

Summary of Program Differentiation

The below table summarizes the comparable C&S programs operated by NREN and the partner PAs, as well as key differentiation points. Where available, a hyperlink provides access to each program Implementation Plan on CEDARS for detailed information including the full program description, goals and activities.

Table 13: NREN and PG&E C&S Activities Differentiation Summary

Program Parameters	NREN C&S Activities	PG&E Compliance Improvement
Target Audience(s)	Local Governments; All customer sectors/sub-sectors	Market actors throughout the building industry supply chain, including: architects, designers, energy consultants, plans examiners, building inspectors and various trades
Resource or Non-Resource	Non-Resource (C&S)	Non-Resource (C&S)
Eligible Measures	n/a	n/a
2024 Budget	\$22,252	\$5,450,000
2025 Budget	\$199,868	\$5,956,798
2026 Budget	\$232,981	\$5,956,798

Note: 2024-2026 budget information consists of approved budgets in PG&E True Up Advice Letter (Advice Letter 4814-G/7047-E) and NREN Decision Authorizing Portfolio Modification (D.24-09-031)

PG&E Comparable Program Overview and Objectives

Codes and Standards Compliance Improvement (CI)

The PG&E Codes and Standards Compliance Improvement (CI) program strives to make it faster and easier for each market actor in the compliance supply chain to effectively comply with California's Building Energy Efficiency Standards (Energy Code or Title 24, Part 6) and California appliance regulations (appliance standards or Title 20) in order to help realize the full benefit of the Statewide Codes and Standards Program's advocacy efforts. The program is administered in collaboration with Southern California Edison, San Diego Gas & Electric, and the California Energy Commission (CEC) and improves compliance using the following performance-solutions based approach:

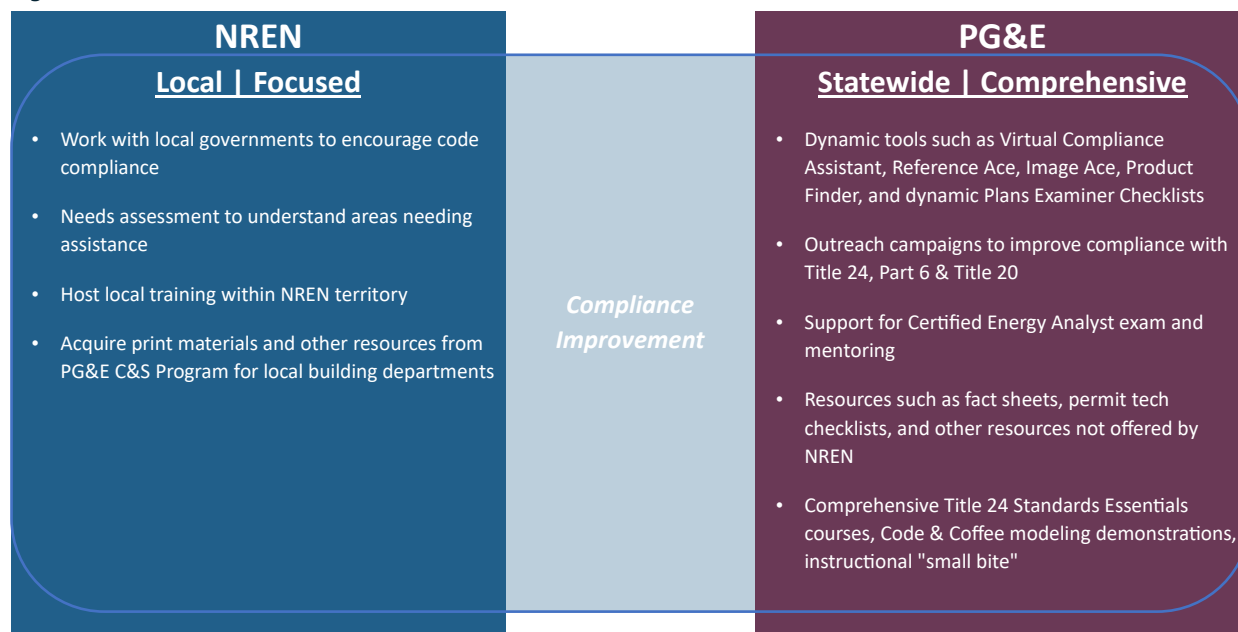
- Understand each market actor's unique workflow and the barriers that they face
- Determine appropriate performance improvement solutions
 - o Provide training when there is a lack of knowledge or skill
 - o Provide tools and resources (reference material) when there is a lack of time or support needed to do the job
 - o Perform outreach when there is a lack of awareness and understanding of compliance benefits
- Work with market actors and code experts to develop and implement the appropriate solutions
- Gain the CEC's approval and launch training, tools and resources that meet each market actor's unique needs
- Deliver solutions through Energy Code Ace using an undaunting, engaging, and trustworthy approach

More information can be found in the [Compliance Improvement implementation plan on CEDARS](#).

Coordination Protocol Between Programs

To identify opportunities for collaboration and to ensure activities are complementary and non-duplicative, the NREN and PG&E Codes and Standards teams may have quarterly coordination calls to discuss ongoing and planned activities and may meet in person annually if public health and safety guidance allows for in person meetings. To ensure there is no overlap of compliance improvement activities, additional coordination protocols have been developed (see Figure 7: NREN and PG&E Codes and Standards Focus, below).

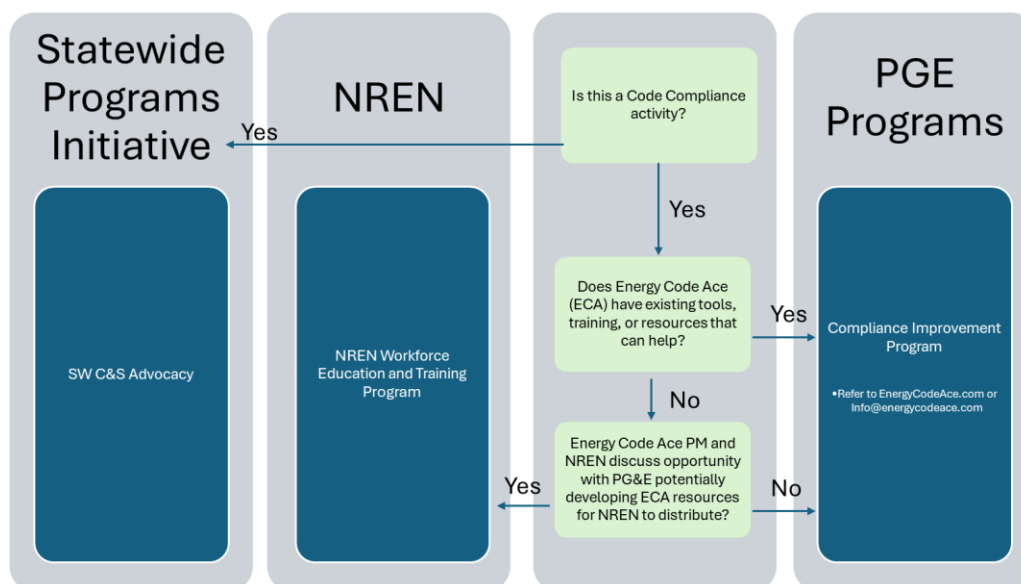
Figure 7: NREN and PG&E Codes and Standards Focus



Coordination Protocol Between Statewide Programs

PG&E will coordinate with the Statewide Codes and Standards Program and work with NREN to identify and implement opportunities that maximize the use of Public Purpose Program funds. This collaboration may involve dividing tasks or co-sponsoring training sessions and other events to address specific compliance improvement needs.

Figure 8: C&S Program Decision Tree



Compliance with REN Program Criteria

Table 14: C&S REN Program Criteria Compliance

REN Criteria	NREN C&S Activities
1. Activities that utilities or CCA PAs cannot or do not intend to undertake	The NREN C&S activities are intended to connect the existing CCA and PA C&S programs to rural communities.
2. Pilot activities where there is no current utility or CCA program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is another utility or CCA program that may overlap	The NREN program will focus primarily on building departments in rural, HTR, and underserved jurisdictions. This ensures that the IOU Codes and Standards programs reach these areas.

III. Data Sharing Protocol

PG&E has data governance and protection obligations for sharing any customer data. Before PG&E shares data that it is authorized to share by applicable law and/or tariff for double-dip check purposes or to support a NREN program, the following minimum data security and privacy protocols need to be completed:

- The party seeking customer data is in contract with NREN or with the lead contractor for a NREN program.
- The party seeking data has signed the PG&E-NREN Non-disclosure Agreement (NDA).
- The party seeking data has completed PG&E's Third-Party Security Review (TSR) and TSR renewals where applicable.

In D. 23-02-002, the Commission ordered all the IOUs to share certain categories of disaggregated data requested by RENs and third-party implementers/and or their authorized agents within ten days after notifying the requestor that the requestor meets the following requirements:

- A current cyber security review by each IOU supplying confidential information.
- A non-disclosure agreement directly with each IOU supplying confidential information.
- The ability to receive secure data transmissions from the IOU.
- A current contract for the program, either as the program administrator or as prime or sub-contractor with a statement of work that requires all the confidential data received.²⁰

²⁰ D.23-02-0023 at p. 63-64, OP 19.

NREN will provide PG&E with a quarterly financial, and Total System Benefit (TSB)²¹ forecast update. The quarterly financial forecast update is the financial payments NREN anticipates from PG&E for its energy efficiency programs. NREN will ensure that any changes in the NREN program delivery are reflected in these forecast updates.

IV. APPENDIX A: SUMMARY OF NREN PROGRAM COMPLIANCE WITH D.12-11-015 AND D.19-12-021

Table 15: NREN D. 12-11-015 AND D.19-12-021 Compliance, by Program

NREN Program	Comparable PG&E Program, if applicable	1. Activities that utilities or CCA program administrators cannot or do not intend to undertake.	2. Pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful.	3. Pilot activities in hard to reach markets, whether or not there is another utility or CCA program that may overlap.
NREN Residential Equity	ESA, CA Energy Smart Homes Program	Currently, there are no CCAs or PAs in the NREN region providing in-person energy assessments to Residential customers and in-person educational events. Only Sonoma Clean Power (SCP) also offers residential kits to PG&E electric customers in Mendocino County and NREN is coordinating very closely as to not overlap services.	N/A	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of underserved customers, as well as being uniquely positioned to reach

²¹ TSB (Total System Benefit) is the sum of the benefit that program measures provide to the electric and natural gas systems.

NREN Program	Comparable PG&E Program, if applicable	1. Activities that utilities or CCA program administrators cannot or do not intend to undertake.	2. Pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful.	3. Pilot activities in hard to reach markets, whether or not there is another utility or CCA program that may overlap.
				tribal communities.
NREN Residential Resource Acquisition	PG&E Residential Resource Acquisition	Currently there is no CCA or PA downstream rebate catalog for Residential customers in the NREN region, except from Sonoma Clean Power to certain areas in Mendocino County. NREN is coordinately closely with SCP to stack services where it will help HTR and underserved customers. There is currently no CCA or PA direct install residential programs in the NREN region and no programs focusing on the whole house approach to energy efficiency in residential single family homes.	N/A	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of underserved customers, as well as being uniquely positioned to reach tribal communities.
NREN Commercial Resource Acquisition	AEP HiTech Biotech, HEFI Healthcare Fitness, Measured Savings for Summer Reliability, NetOne Commercial, Simplified Savings Micro & Small Customer	There are PA programs supporting small, micro, medium, and large commercial customers in the PG&E and SW portfolios. However, due to budget limitations and vast territory, the furthest rural customers are more difficult to serve.	N/A	The NREN programs are unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide unique in-person services that other PAs cannot do cost effectively. The program will target 70% HTR customers, and potentially a larger percentage of

NREN Program	Comparable PG&E Program, if applicable	1. Activities that utilities or CCA program administrators cannot or do not intend to undertake.	2. Pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful.	3. Pilot activities in hard to reach markets, whether or not there is another utility or CCA program that may overlap.
				underserved customers.
NREN Finance Equity	On Bill Financing, GoGreen Financing	PG&E's OBF Program issues loans greater than \$5,000 to NonResidential customers. GoGreen Financing through the State of California has smaller loan amount offerings. These loans are not 0% interest and the lenders in our area do not offer loans <\$5000. GoGreen is a Statewide program for Res and NonRes customers funded by all of the IOUs	N/A	N/A
NREN Public Equity	PG&E Government & K-12 Program	Currently there is no Local Government Partnership in Mendocino or Lake County.	N/A	N/A
NREN Workforce Education & Training	PG&E WE&T Integrated Energy Education and Training	There are currently no options for in-person training or WE&T training tailored to the rural communities in NREN territory.	N/A	The NREN WE&T program is unique because they provide services from locations that are based within or nearby the hard-to-reach, underserved rural communities that they serve. This allows the programs to provide in-person training that other PAs cannot do cost effectively.
NREN Codes & Standards ²²	PG&E Compliance Improvement	The NREN C&S Program is intended to connect the	N/A	The NREN program will focus primarily on building

²² NREN's C&S program activities will be included under NREN's WE&T program. NREN is filing an advice letter on 11/3/25 (AL #005-E/005-G) to reflect these program shifts.

NREN Program	Comparable PG&E Program, if applicable	1. Activities that utilities or CCA program administrators cannot or do not intend to undertake.	2. Pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful.	3. Pilot activities in hard to reach markets, whether or not there is another utility or CCA program that may overlap.
	(PGE21053)	existing CCA and PA C&S programs to rural communities.		departments in rural, HTR, and underserved jurisdictions. This ensures that the IOU Codes and Standards programs reach these areas.

V. APPENDIX B: NREN SUMMARY OF PROGRAMS OFFERED

Table 16: NREN Summary of Programs

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
RRN001	Residential Equity	Residential	2024: \$146,241 2025: \$1,494,128.69 2026: \$1,512,559.12	<u>Phone-based consultants/energy assessments</u> Home energy audits performed by <u>Program staff</u> with installation of simple EE measures: • <u>Faucet aerators</u> • <u>Showerheads</u> • <u>LED bulbs</u> • <u>Pipe insulation</u> EE kits mailed to customers. <u>Items may include:</u> • <u>Faucet aerators</u> • <u>Showerheads</u> • <u>LED bulbs</u> • <u>Smart Strips</u> • <u>Weatherization</u> • <u>Tools for measuring energy and hot water use</u> Energy reports for all participants
RRN002	Residential Resource Acquisition	Residential	2024: \$293,093.00 2025: \$ 2,531,238.00 2026: \$2,748,436	<u>Energy Star Appliances</u> , Building envelope, heat pump HVAC, heat pump water heaters

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
				Will also include other electrification measures for residents (<u>i.e.</u> cooking appliances)
RRN003	Commercial Resource Acquisition	Commercial	2024: <u>\$224,351</u> 2025: \$668,258	Minimal kitchen equipment fuel substitution, Heat Pump HVAC, Heat Pump Water Heaters, Refrigeration, Lighting
RRN004	Finance Equity	Cross-Cutting	2024: \$593,860 2025: \$2,027,595	TBD
RRN005	Public Equity	Public	2024: <u>\$25,377</u> 2025: \$344,867	Benchmarking, technical assistance to access incentives and funding technical assistance to access incentives and funding
RRN006	Workforce Education and Training	Cross-Cutting	2024: <u>\$69,398</u> 2025: \$569,733	N/A
RRN007 ²³	Codes and Standards	Cross-Cutting	2024: \$22,252 2025: \$199,868	N/A

²³ NREN's C&S program activities and budget will be included under NREN's WE&T program. NREN is filing an advice letter on 11/3/25 (AL #005-E/005-G) to reflect these program shifts.

VI. APPENDIX C: SUMMARY OF PG&E'S COMPARABLE PROGRAMS

Table 17: PG&E Summary of Comparable Programs

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
PGE_ESA	Energy Savings Assistance (ESA) Program	Residential Equity	2024: \$118,462,500 2025: \$116,490,789 2026: \$114,909,676	Phone-based consultants/ in-person energy assessments ESA Main provides both basic and plus measures based on the home energy audits performed Appliances: i.e. Refrigerators & High Efficiency Clothes Washers (Plus) Domestic Hot Water: i.e. faucet aerators, low-flow showerheads (basic), water heater tank and pipe insulation, and water heater repair and replacement (plus) Enclosure: i.e. Air sealing, attic insulation, and caulking (plus) HVAC: i.e. Furnace repair and replacement, heat pump replacement, smart thermostat, duct test and seal (plus) Maintenance: i.e. AC lifecycle refrigerant management (plus) Lighting: i.e. LEDs (basic) Miscellaneous: i.e. Pool pumps (plus), power strips (basic) This is not a complete list of

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
				all measures that PG&E's ESA Main program provides. For a comprehensive list please see: Energy Savings Assistance (ESA), California Alternate Rates for Energy (CARE), and Family Energy Rate Assistance (FERA) Programs Annual Report Table 2.
SW_NC_Res	CA Energy Smart Home	Residential Equity	2024: \$12,846,232 2025: \$13,949,284 2026: \$13,950,180	Communicating thermostats Induction cooking Heat pump water heating Heat pump space heating Segregated circuits Install a 240-volt plug for electric vehicle charging infrastructure Battery storage readiness Thermostatic mixing valves Heat Pump Dryer
	Residential Resource Acquisition	Residential Resource Acquisition	2024: \$6,234,665 2025: \$10,621,930 2026: \$10,498,292	Specific measures are still to be determined. General strategy is to drive comprehensive measure packages including building envelope, heat pump HVAC, heat pump water heaters.
PGE_Com_004 PGE_Com_005 PGE_Com_006	- AEP HiTech Biotech - HEFI Healthcare Fitness - Measured Savings for Summer Reliability - NetOne	Commercial Resource Acquisition	2024: \$17,089,434 2025: \$22,573,906 2026: \$22,515,784	See program details

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
PGE_Com_003 PGE_Com_SmallBiz	Commercial • Simplified Savings Micro & Small Customer			
PGE_OBFAP	On Bill Financing (OBF) GoGreen Financing	Finance Equity	2024: OBF \$60,000,000 2025: OBF \$55,000,000 GGF: \$4,000,000 in credit enhancements 2026: Estimated: OBF: 60,000,000 GGF: \$4,000,000 in credit enhancements	For OBF - All energy efficiency measures currently listed in our catalog which may include, lighting, heating, ventilation, etcetera. Additionally, Battery Storage and EV Charging Infrastructure For GoGreen Financing (residential and Business): Most clean energy technologies including energy efficiency, EV charging equipment, and solar/Storage
PGE_Pub_009	PG&E Government & K-12 Program	Public Equity Program	2024: \$11,202,276 2025: \$10,300,000.00 2026: \$10,300,000.00	Heat pump water heaters, HVAC, Lighting and controls, Retrocommissioning, behavioral strategies
PGE21071 SW_WET_Work SW_WET_CC	PG&E WE&T Integrated Energy Education and Training SW WE&T Career and Workforce Readiness (CWR) SW WE&T Career Connections (CC)	Workforce Education & Training Program	2024: \$8,734,790 2025: \$8,750,012 2026: \$8,368,331	N/A
PGE21053	PG&E Compliance Improvement	Codes and Standards	2024: \$5,450,000 2025: \$5,956,798 2026: \$5,956,798	N/A

