

Sidney Bob Dietz II Director Regulatory Relations Pacific Gas and Electric Company 77 Beale St., Mail Code B13U P.O. Box 770000 San Francisco, CA 94177

Fax: 415-973-3582

January 7, 2022

Advice 4521-G-A/6385-E-A

(Pacific Gas and Electric Company U 39 M)

Public Utilities Commission of the State of California

Subject: Supplemental: PG&E's 2022-2023 Energy Efficiency Biennial Budget Advice Letter in Compliance with Decisions 15-10-028, 18-05-041, and 21-05-031

Pacific Gas and Electric Company (PG&E) hereby submits this supplemental filing to update its 2022-2023 Energy Efficiency Biennial Budget Advice Letter. The updates to this Advice Letter include a change in the 2023 Resource Acquisition segment Total Resource Cost (TRC) value due to a change in the California Energy Data and Reporting System (CEDARS), and corrections for several typographical errors that PG&E identified in its original submission. In response to questions from the California Public Utilities Commission staff, this supplement includes clarifying language related to PG&E portfolio administrator costs and to the Codes and Standards Program scope and savings goals. This supplemental advice letter replaces original advice letter 4521-G/6385-E in its entirety.

I. Purpose

Pacific Gas and Electric Company (PG&E) submits its 2022-2023 energy efficiency (EE) portfolio budget (2022-23 EE Budget) by Tier 2 advice letter in compliance with the *Decision Re Energy Efficiency Goals for 2016 and Beyond and Energy Efficiency Rolling Portfolio Mechanics,* the "Rolling Portfolio Decision" (Decision (D.) 15-10-028),¹ the *Decision Addressing Energy Efficiency Business Plans* (D.18-05-041),² the *Assessment of Energy Efficiency Potential and Goals Modification of Portfolio approval and Oversight Process (*D.21-05-031),³ and guidance from the California Public Utilities Commission (CPUC or Commission) Energy Division (ED) staff (Staff).

PG&E requests that the Commission approve its 2022-2023 Biennial Budget Advice Letter (BBAL) spending budgets of \$247,653,027 and \$274,643,728, for 2022 and 2023

¹ D.15-10-028, Ordering Paragraph (OP) 4.

² D.18-05-041, OP 41-47.

³ D.21-05-031

respectively, and cost recovery budgets of \$332,479,218 and \$391,821,907, respectively, effective January 1, 2022.⁴ PG&E additionally requests that the Commission approve the forecasted 2022 82%/18% electric/gas split and 2023 80%/20% electric/gas split for cost recovery allocations, effective January 1, 2022.

II. Background

A. Regulatory Requirements

The budget advice letter requirement was first adopted in D.15-10-028 with the requirement that each EE program administrator (PA) submit an advice letter with a budget for the next calendar year's EE portfolio by the first business day of September each year.⁵ D.18-05-041 subsequently adopted the budgets set forth in the Business Plans for 2018-2025, which serve to "[set] budget expectations to be more fully developed in annual budget filings."⁶ As part of the new portfolio filing process established in D. 21-05-031, the Commission ordered all EE PAs to file a Tier 2 advice letter no later than September 1, 2021, covering both program years 2022 and 2023.⁷ The BBAL due date was updated to be November 1, 2021, in D. 21-09-037⁸, and extended to November 8, 2021, in response to a joint IOU request for extension⁹ to enable the joint IOUs to conduct the standard process of collaborating with Commission staff for quality control checks on the fixes to the California Energy Data and Reporting System (CEDARS).

B. Filing Requirements

D.15-10-028 requires each program administrator's (PA) advice letter to contain:

- A portfolio cost-effectiveness statement; and
- Application summary tables with forecast budgets and savings by sector and program/intervention.¹⁰

D.18-05-041 requires that the investor-owned utilities' (IOUs) annual budget advice letters (ABALs) include the following:

• Forecasted energy savings goals that must meet or exceed Commissionestablished savings goals for each IOU; and

⁴ Section III.J. of this advice letter provides more detail on PG&E's cost recovery request.

⁵ D.15-10-028, OP 4.

⁶ D.15-10-028, p.43.

⁷ D. 21-05-031, OP 13.

⁸ D. 21.09-037, p. 21.

⁹ Request of Investor-Owned Utilities for Extension of Time to Comply with Decision 21-09-037, Ordering Paragraph 3 (2022-2023 Energy Efficiency Budget Advice Letters); Granted 10/29/2021 by CPUC Executive Director Peterson.

¹⁰ Ibid, p. 59.

• A forecasted budget that must not exceed the PA's annual budget in the approved Business Plans, or (if applicable) the revised annual budget in this Budget Advice Letter.¹¹

D.21-05-031 made changes to the advice letter requirements and set the review criteria for the 2022-23 BBAL as follows:¹²

- Forecasted energy savings for 2022 and 2023 shall meet the annual energy savings goals adopted for those program years.
- Budget requests must stay under the cap authorized in D. 18-05-041 for the current business plan period.

The Total System Benefit (TSB) metric of the portfolio shall be included but will not be considered a basis for the rejection of the ABALs.

- Cost-effectiveness ratios, for both the Total Resource Cost (TRC) and Portfolio Administrator Cost (PAC), shall be included for the entire portfolio, but these overall portfolio TRC and PAC ratios will not be a basis for rejection of the ABALs.
- TRC and PAC cost-effectiveness ratios shall also be calculated on only the resource acquisition portion of the portfolio and must exceed 1.0 on a forecast basis.
- The cost-effectiveness requirements of D.18-05-041 for ABALs are otherwise removed and no longer in effect.
- The budget of programs classified as market support or equity programs shall not exceed 30 percent of the overall budget.
- Reasonableness of the program segmentation itself will not be a criterion for rejection of the ABAL.
- EM&V budgets should still be set at 4% of the overall portfolio budget.

C. Contents of this Filing

PG&E's advice letter is organized as follows:

- A. Budget, Goals, and Cost-Effectiveness
- B. California Energy Data and Reporting System (CEDARS) Discrepancy
- C. Forecast Approach
- D. Portfolio Administrator Costs
- E. Segmentation
- F. Summer Reliability
- G. Fuel Substitution
- H. 2022 and 2023 Program Closures, Changes, and Launches
- I. Evaluation Measurement & Verification (EM&V)

¹¹ D.18-05-041, p. 133.

¹² D. 21-05-031, pp.52-53.

- J. Unspent Funds
- K. Schools Stimulus Program Funding
- L. Cost Recovery: Schools Stimulus Program and EE Portfolio Administrators
- M. Integrated Demand Side Management (IDSM) Budget
- N. Metrics

In addition to the information above, PG&E's 2022-2023 BBAL includes the following attachments:

- Attachment A Appendices¹³
- Attachment B Supplemental Budget Tables
- Attachment C California Energy Data and Reporting System (CEDARS) Filing Confirmation

III. Discussion

A. Budget, Goals, and Cost-Effectiveness

PG&E proposes a 2022 EE portfolio budget of \$247,653,028 and a 2023 EE portfolio budget of \$274,643,728, inclusive of PG&E and CPUC EM&V. These budgets are below the cap authorized in D. 18-05-041 for the current business plan period. The increase in budget from 2022-2023 is primarily driven by increased activity and budgets for Statewide programs.

Tables 1a and 1b provide an overview of PG&E's 2022-2023 forecasted portfolio budget, savings, and cost-effectiveness, excluding market effects. These tables demonstrate PG&E's compliance with all of the budget advice letter requirements ordered in D.21-05-31¹⁴.

¹³ Appendix tables include, but are not limited to, the Statewide Program Budgets table and the Caps and Targets table. The format of these tables reflects input and agreement by EE PAs and CPUC Staff. To facilitate review, PG&E will provide CPUC Staff a version of these tables that includes active formulas.

¹⁴ D. 21-05-031, pp. 52-53.

		FORECAST	FORECAST ENERGY SAVINGS (Net)		
	Program Year (PY)		PA forecast	PA forecast	
Sector	2022 Budget	PA forecast kWh	kW	therms	
Residential	\$48,705,198	222,067,807	45,505	7,297,100	
Commercial	\$53,846,200	54,927,666	9,280	2,521,925	
Industrial	\$39,384,322	68,148,287	4,834	7,918,382	
Agricultural	\$14,282,120	22,662,909	2,666	135,042	
Emerging Tech	\$11,194,608	-	-	-	
Public	\$17,258,083	19,049,547	2,685	358,739	
WE&T	\$9,729,949	-	-	-	
Finance	\$4,421,610	48,519,205	6,941	276,378	
OBF Loan Pool	\$14,000,000	-	-	-	
PA Subtotal (does not include ESA budget and savings)	\$212,822,091	435,375,422	71,911	18,507,567	
CPUC Savings Goal (w/o C&S)		553,000,000	75,000	13,000,000	
Forecast savings as % of CPUC Savings Goal (w/o C&S)		78.7%	95.9%	142.4%	
Codes and Standards (w/ interactive effects)	\$24,924,815	1,202,765,304	212,173	19,198,912	
CPUC Savings Goal (w/ C&S)		1,532,000,000	253,000	34,000,000	
Forecast savings as % of CPUC Savings Goal (w/ C&S)		106.9%	112.3%	110.9%	
Total EM&V	\$9,906,121				
PA EM&V	\$2,999,183				
ED EM&V	\$6,906,938				
Portfolio Forecasted Total System Benefit (TSB)	\$339,758,463				
Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EM&V)	1.07				
Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.72				
Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.73				
Resource Acquisition Segment Forecasted TRC	1.28				
PA Spending Budget Request	\$247,653,027				
(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance	\$33,937,234				
CEC AB 841 Program Funding					
Applicable percentage (70% and 60%) of difference between funding limitation and					
2020 budget	\$80,908,048				
PA 2020 and Beyond Uncommitted and Unspent Carryover Balance	\$0				
CEC AB 841 Total Program Funding	\$80,908,048				
PA Revenue Requirement Request (Cost Recovery)	\$294,623,842				
% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to	+/ - /				
Exceed 30%)	18%				
PA Authorized Budget Cap (D.18-05-041)	\$354,970,997				

Table 1a: PG&E 2022 Forecast Budget and Savings Summary: [Amended]

		FORECAST	ENERGY SAVIN	IGS (Net)
	Program Year		PA forecast	PA forecast
Sector	(PY) 2023 Budget	PA forecast kWh	kW	therms
Residential	\$54,309,449	245,687,410.21	48,749.99	8,431,319.21
Commercial	\$64,245,934	62,066,717.36	11,375.19	3,206,226.88
Industrial	\$33,442,797	60,134,967.63	5,445.03	5,456,182.71
Agricultural	\$21,956,306	33,668,314.86	3,817.80	234,306.59
Emerging Tech	\$11,352,603	-	-	-
Public	\$22,046,170	24,159,902.52	5,011.03	847,044.43
WE&T	\$9,857,042	-	-	-
Finance	\$4,654,846	38,064,192.68	6,470.91	123,316.16
OBF Loan Pool	\$17,000,000	-	-	-
PA Subtotal (does not include ESA budget and savings)	\$238,865,147	463,781,505	80,870	18,298,396
CPUC Savings Goal (w/o C&S)		597,000,000	81,000	14,000,000
Forecast savings as % of CPUC Savings Goal (w/o C&S)		77.7%	99.8%	130.7%
Codes and Standards (w/ interactive effects)	\$24,792,832	1,268,882,418	248,459	22,446,478
CPUC Savings Goal (w/ C&S)		1,607,000,000	285,000	37,000,000
Forecast savings as % of CPUC Savings Goal (w/ C&S)		107.8%	115.6%	110.1%
Total EM&V	\$10,985,749			
PA EM&V	\$3,021,081			
ED EM&V	\$7,964,668			
Portfolio Forecasted Total System Benefit (TSB)	\$370,704,694			
Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EM&V)	1.18			
Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.69			
Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.74			
Resource Acquisition Segment Forecasted TRC	1.36			
PA Spending Budget Request	\$274,643,728			
(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance	\$0			
CEC AB 841 Program Funding				
Applicable percentage (70% and 60%) of difference between funding limitation and				
2020 budget	\$69,349,755			
PA 2020 and Beyond Uncommitted and Unspent Carryover Balance	\$0			
CEC AB 841 Total Program Funding	\$69,349,755			
PA Revenue Requirement Request (Cost Recovery)	\$343,993,483			
% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to	ş343,993,483			
Exceed 30%)	20%			
PA Authorized Budget Cap (D.18-05-041)	\$354,508,439			

Table 1b: PG&E 2023 Forecast Budget and Savings Summary: [Amended]

Goals

PG&E forecasts achieving the total¹⁵ GWh, MW, and Therm savings goals adopted in D. 21-09-037 for 2022 and 2023.

Table 2 presents PG&E's forecasted percent of savings goals for 2022 and 2023. Pursuant to D.21-05-31, PG&E is forecasting to achieve all total savings goals in 2022 and 2023. Because stakeholders have displayed particular interest in goals specific to incentive programs in the past, PG&E discusses that forecast in greater depth below. PG&E cannot reasonably forecast¹⁶ achieving 100% of the 2022 and 2023 savings goals for incentive programs.

	2022		2023			
	GWh	MW	Therm	GWh	MW	Therm
Total Goal	106.9%	112.3%	110.9%	107.8%	115.6%	110.1%
Incentive						
Programs						
Only	78.7%	95.9%	142.4%	77.7%	99.8%	130.7%
Codes and						
Standards						
Only ¹⁷	120%	112%	102%	124%	118%	107%

¹⁵ Total GWh, MW, and Therm goals for incentive programs and codes and standards, combined. D.16-08-019, Conclusions of Law 14, clarifies that "utilities should continue to be assigned and receive credit towards energy efficiency savings goals for codes and standards advocacy." Discussion in Section 3.4 of the decision clarifies that part of the reason to continue goal-setting and goal-crediting for codes and standards advocacy is to further "important synergies between codes and standards development and programmatic strategies" (D.16-08-019 at 29).

¹⁶ PG&E commented extensively on its concerns that the 2021 Potential and Goals study produced inflated estimates of EE potential and resulted in unrealistic goals. See Pacific Gas and Electric Company's (U 39 M) Opening Comments to The Administrative Law Judge's Ruling Inviting Comments On Draft Potential And Goals Study (May 21, 2021); Pacific Gas and Electric Company's (U 39 M) Comments To The Administrative Law Judge's Email Ruling Providing Notice And Opportunity Re: Additional Results Of Draft Potential And Goals Study (July 30, 2021).

¹⁷ These figures reflect PG&E's forecasted percentage of the codes and standards goal, exclusive of interactive effects, because the 2021 Potential and Goals study estimated codes and standards goals exclusive of interactive effects. The codes and standards forecasted savings elsewhere in this advice letter, and in CEDARS, are inclusive of interactive effects. PG&E achieves all codes and standards goals in 2022 and 2023 when interactive effects are accounted for consistently in goals and forecasts, i.e. when interactive effects are excluded from both or included in both.

As shown in Table 2:

- PG&E forecasts meeting all total savings goals in 2022 and 2023.
- PG&E forecasts achieving 78.7% of the incentive program GWh goal in 2022 and 77.7% in 2023.
- PG&E forecasts achieving 95.9% of the incentive program MW goal in 2022 and 99.8% in 2023. However, while REN and CCA demand reduction accomplishments are not included in the forecasted savings in this BBAL, PG&E predicts that, collectively with its REN and CCA partners, it will achieve the incentive program MW goal in 2023. Depending on the design of REN and CCA portfolios, it may also be possible to achieve the incentive program MW goal in 2022, as well.
- PG&E forecasts meeting the incentive program Therm goals for both 2022 and 2023.
- PG&E forecasts meeting all codes and standards goals for both 2022 and 2023 when interactive effects are treated consistently in goals and forecasts.

In D. 21-09-037, the Commission adopted the EE goals for 2022 and 2023. The goals were based on estimates of EE potential that used a 0.85 measure-level TRC threshold and did not fully calibrate fuel substitution potential to account for barriers to market adoption of those measures. In adopting these goals, the Commission stated its "intent for the program administrators to aggressively pursue all potentially achievable cost-effective energy savings opportunities, particularly from fuel substitution measures that have thus far gone untapped."¹⁸

In developing this forecast, PG&E sought to balance the need to aggressively pursue the Commission's ambitious goals with the realities of market constraints and the objective shared across many customer programs of maintaining affordability for ratepayers.

PG&E remains committed to maximizing the performance of its programs to pursue all realistically achievable, cost-effective potential savings during these years—and to doing so while maintaining resource acquisition (RA) segment cost-effectiveness and staying within budget. These BBAL forecasts of total portfolio accomplishments and incentive program-specific accomplishments are PG&E's current assessment of what it can credibly achieve in the next two years. Regarding accomplishments of PG&E's incentive programs, the following contextual factors are important to consider: (1) the approximately 50% increase in incentive program GWh goals for 2022 and 2023 approved in D.21-09-037, relative to the goals for those program years approved in D.19-08-034, and (2) the fact that many of PG&E's highest-saving programs are already slated to operate at full capacity in 2022-23. Soliciting and ramping up additional programs could take approximately two years, so adding significant savings capacity through new programs would neither be feasible within the given time frame, nor would it be appropriate given that PG&E is focused on the transition to TSB as the EE goals metric starting in 2024.

¹⁸ D. 21-09-037, p. 16.

As shown in Figure 1, if EE goals were already set in TSB for 2022 and 2023, PG&E's forecast would demonstrate achievement of those goals in 2022 and 2023¹⁹.





¹⁹ 2021 PG Study Measure Results Database_7-9-21.xlsx, found <u>here</u> Total System Benefits tab, Scenario 2. PG&E's TSB Potential for 2022 = \$241,356,512 and for 2023 = \$267,427,576.

Cost Effectiveness

Tables 3a and 3b provide for 2022 and 2023, respectively, the TRC, PAC and RIM test forecasts for the EE RA segment of PG&E's portfolio, as well as for the overall EE portfolio, both without and with the C&S program benefits and costs. PG&E is forecasting a cost-effective portfolio, with and without codes and standards (C&S), for both years. While total portfolio cost-effectiveness is not a requirement for approval of this BBAL, PG&E highlights this for transparency regarding ratepayer funds.

Cost-Effectiveness Scenario	2022 TRC Forecast	2022 PAC Forecast	2022 RIM Forecast
Resource Acquisition Segment	1.28	2.15	N/A
Portfolio without C&S	1.07	1.72	0.73
Portfolio with C&S	2.82	9.45	0.76

Table 3a: PG&E 2022 Cost-Effectiveness Statement

Cost-Effectiveness Scenario	2023 TRC Forecast	2023 PAC Forecast	2023 RIM Forecast
Resource Acquisition Segment	1.36	2.09	N/A
Portfolio without C&S	1.18	1.69	0.74
Portfolio with C&S	2.74	9.74	0.81

The cost-effectiveness calculations for the RA segment in 2022 and 2023 include only those programs that PG&E has assigned to this segment, as defined in D. 21-05-031.

Portfolio-level TRC, PAC, and RIM calculations in Tables 3a-b include costs for:

- EM&V;²⁰
- Statewide (SW) Marketing, Education and Outreach (ME&O);²¹ and
- All EE programs except those noted immediately below.

²⁰ EM&V costs total 4% of PG&E's EE portfolio budget. See Section III.I. for more details on EM&V.

²¹ Per Ordering Paragraphs (OP) 2 and 3 of D. 21-03-056, a Flex Alert Subaccount is established within the Statewide Marketing, Education, and Outreach (SWME&O) Balancing Account - Electric. This one-way subaccount tracks authorized spending against the \$12M annual budget that is funded by PG&E, Southern California Edison Company (SCE), and San Diego Gas & Electric Company (SDG&E). SCE is the holder of the two-year contract and will invoice PG&E's share of 45% per page 2 of Rulemaking 20-11-003 Attachment 1. After the Flex Alert program has been completed, the remaining funds will be returned to customers through the Annual Electric True-UP (AET) advice letter filing. The amounts will be recovered through the existing SWME&O mechanisms of Distribution Revenue Adjustment Mechanism (DRAM), PEERAM, and PPPRAM. D.21-03-066 funds Flex Alerts for 2021 and 2022, so a \$0 budget is assumed for 2023.

Portfolio-level TRC, PAC, and RIM calculations in Tables 3a-b exclude costs for:

- Emerging Technologies (ET) programs;
- BayREN, 3C-REN, RCEA, MCE, and SJCE benefits and costs;²²
- Financing costs including credit enhancements approved for the Statewide Financing Pilots in D.13-09-044;²³
- Administrative costs associated with PG&E's performance of the fiscal agent role for BayREN and 3C-REN;²⁴
- Energy Savings Assistance (ESA) benefits and costs; and
- Market effects.

These calculations exclude any consideration of a shareholder incentive, per the moratorium on the Energy Savings Performance Incentive (ESPI) established in D. 20-11-013.²⁵

B. CEDARS Discrepancy

The total PG&E portfolio budget, TRC, and PAC values presented in this advice letter contain a discrepancy with the values shown in the CEDARS dashboard for this 2022-2023 filing.²⁶ This discrepancy results from the fact that PG&E's OBF loan pool contribution budget of \$14M for 2022 and \$17M for 2023 is included in PG&E's advice letter total portfolio budget but excluded from the total portfolio budgets shown in the CEDARS dashboard for the 2022 filing. This is because the OBF loan pool Program ID is flagged in CEDARS for exclusion from the portfolio budget as these funds are not forecasted expenditures. Rather, these funds contribute to PG&E's revolving loan pool that is not captured in portfolio budget through CEDARS expenditures reporting.

²² D.12-11-015.

²³ These costs include funding authorized by the Commission for CAETFA's CHEEF programs in D.21-08-006; see PG&E Advice Letters 4459-G/6341-E and 4506-G/6355-E.

²⁴ D.19-12-021, OP 5.

²⁵ D. 20-11-013, OP1.

²⁶ Previous PG&E Annual Budget Advice Letters identified several other sources of discrepancy with CEDARS which PG&E has been able to resolve for this budget filing.

Discrepancy	Source	OBF Loan Pool Contribution Budget 2022: \$14,000,000 2023: \$17,000,000
PG&E Total Portfolio Budget	CEDARS Dashboard	Excluded
	Advice Letter	Included
PG&E Portfolio TRC and PAC, with and without	CEDARS Dashboard	n/a
C&S	Advice Letter	n/a

Table 4a: Summary of 2022-23 Advice Letter and CEDARS Discrepancy Sources

Table 4b: Summary of 2022 Advice Letter and CEDARS Value Discrepancies^(a)

Program ID	Total PG&E EE Portfolio Budget	TRC without C&S	PAC without C&S	TRC with C&S	PAC with C&S
CEDARS Dashboard	\$233,653,028	1.07	1.72	2.82	9.45
Advice Letter	\$247,653,028	1.07	1.72	2.82	9.45

Table 4c: Summary of 2023 Advice Letter and CEDARS Value Discrepancies ^(a)

Program ID	Total PG&E EE Portfolio Budget	TRC without C&S	PAC without C&S	TRC with C&S	PAC with C&S
CEDARS Dashboard	\$257,643,728	1.18	1.69	2.74	9.74
Advice Letter	\$274,643,728	1.18	1.69	2.74	9.74

As of the date of this submission, no discrepancies in TRC and PAC values are apparent between the CEDARS dashboard and this 2022-2023 budget advice letter. This is because the source of TRC and PAC calculation discrepancies involve relatively small forecasted cost amounts that do not materially impact the TRC and PAC values when rounded to the nearest hundredth.

C. Forecast Approach

PG&E's 2022 and 2023 forecasts reflect its continued focus on transitioning to a predominantly third-party outsourced portfolio. The forecasts assume PG&E will achieve the 60% outsourcing target by December 31, 2022.²⁷ As the transition continues, PG&E's forecasted portfolio consists of (1) an evolving mix of continuing local and statewide programs, newly contracted local and statewide programs that PG&E expects will ramp up in early 2022 and into 2023, and (2) future programs that have not yet been solicited or contracted but that are projected to become active at some point in 2022 or 2023.

²⁷ D.18-01-004, OP 1.

As shown in Table 5, PG&E adopted various forecast approaches, as appropriate, for these different types of programs.

Forecast Approach	Program Types
Implementer-Generated Forecast, subject to PG&E QC	Existing/Continuing Local Programs
	Existing/Continuing SW Programs – PG&E Lead
	New SW Programs – PG&E Lead
Forecast supplied to PG&E by Lead IOU	Existing/Continuing SW Programs – other IOU Lead
	New SW Programs – other IOU Lead
	Future SW Programs – other IOU Lead
Placeholder Forecast developed by PG&E Staff	Future Local Programs
	Future SW Programs – PG&E Lead

Table 5: Forecast Approach by Program Type

Where PG&E's BBAL forecast relies on an implementer-generated program forecast, PG&E reviewed that forecast for reasonableness and for adherence with CPUC requirements before including it in the portfolio forecast. In cases where a Statewide program forecast was provided to PG&E by the Lead IOU, PG&E relied on the expertise of that Lead IOU in preparing the forecast for that program. To forecast for future local or PG&E-led Statewide programs, PG&E generated a placeholder forecast informed by market knowledge, historic performance of program interventions in that market or with relevant measure(s) and subject-matter expertise of PG&E's Program Management and Portfolio Strategy staff.

D. Portfolio Administrator Costs

PG&E continues to focus on managing its portfolio administrator (PA costs) costs and expects a 13% reduction for the 2022 and 2023 program years as compared to 2020. As PG&E's portfolio continues to transition to a predominantly outsourced portfolio, as portfolio administrator, PG&E expects to provide portfolio and program oversight, and assist third-party providers with other support services to improve program offerings, avoid administrative redundancies, and ensure regulatory compliance. To accomplish this, PG&E expects retaining portfolio-related costs associated with program/portfolio administration responsibilities that align with PG&E's regulatory and fiduciary responsibilities critical to the achievement of portfolio goals. These costs typically do not vary greatly based on the number or scale of programs in the portfolio. Examples of portfolio-related costs include oversight roles such as regulatory compliance; savings and financial reporting; portfolio optimization; EM&V support; and IT investments.

PG&E's PA costs can be divided into program support and portfolio support:

- Program Support includes PA costs for all activities that directly support individual programs and can be booked directly to a specific program or follows a programperformance-based allocation (e.g., energy savings). This portion of PG&E's PA costs is what PG&E interprets as "Program Implementation Costs" in the California Energy Efficiency Coordinating Committee (CAEECC) categorization.²⁸
- **Portfolio Support** includes PA costs for all activities that support the entire EE portfolio and use a "rule of thumb" allocation since the work cannot be booked directly to a specific program. This portion of PG&E's PA costs is what PG&E interprets as "Portfolio Administration" in the CAEECC categorization.²⁹

Even though portfolio support PA costs are – by definition – costs that cannot be directly associated with individual programs, current CEDARS reporting standards do not allow portfolio support PA costs to be reported separately from programs (with the exception of EM&V costs). Therefore, portfolio support PA costs must be assigned to individual programs for CEDARS reporting. For all programs other than statewide programs which PG&E is not the lead PA (i.e., where PG&E is the funding PA), PG&E used a program budget-based allocation to assign portfolio support PA costs. For statewide programs led by another IOU, PG&E assigned portfolio support PA costs to programs using an equal distribution based on the number of programs in PG&E's portfolio.³⁰

While detailed information on PG&E's PA costs are available in Table 4 in Attachment A, for this 2022-2023 budget advice letter, PG&E separated program support and portfolio support PA costs by program cost CET input field. Table 5b below has the mapping for CET input field with program support and portfolio support, by cost category.³¹

²⁸Proposal for Improvements to the EE Portfolio and Budget Approval and Implementation Process; Developed by the CAEECC Hosted Energy Efficiency Filing Processes Working Group. April 24, 2020. p.8.

²⁹ Ibid, p.8.

³⁰ Other IOUs may have a different process for allocating PA costs to statewide programs so comparison across the IOUs of PA costs for statewide programs may not be appropriate. PG&E anticipates discussing allocation processes in future Reporting PCG meetings in pursuit of IOU alignment.

³¹ Energy Efficiency Policy Manual, version 6, Appendix C: Cost Categories and Related Cap and Targets April 2020, available at: <u>https://www.cpuc.ca.gov/-/media/cpuc-</u> <u>website/files/legacyfiles/e/6442465683-eepolicymanualrevised-march-20-2020-b.pdf</u>. (as of December 22, 2021).

CET Program Cost Input Field Name	PA Cost Type	Cost Category
AdminCostsOther	Portfolio PA Cost	Administrative
		Direct Implementation Non-
DIInstallation	Portfolio PA Cost	Incentive (DINI)
DIRebateAndInspection	Program PA Cost	Administrative
UserInputIncentive	Program PA Cost	Marketing
DIHardwareAndMaterials	Program PA Cost	DINI

Table 5b: PA Cost Mapping to CET Inputs

E. Segmentation

D. 21-05-031 requires all PAs to submit BBALs that assign each EE program ID to one of three segments—RA, market support (MS), or equity—based on the program's primary purpose.³² While only informational (i.e., BBAL approval will not constitute approval of portfolio segmentation proposals), this provides PAs the opportunity to articulate segmentation strategies ahead of the 2024-2027 EE Portfolio Applications. PG&E recognizes the importance of the new EE paradigm created by portfolio segmentation and embraces the opportunity to align EE program objectives with policy objectives. Portfolio segments can help PG&E go beyond short-term delivery of cost-effective energy savings and better support PG&E's focus on the people we serve, the planet we inhabit, and California's prosperity.

D. 21-05-031 confirmed that codes and standards remains separate from the rest of the EE programs in terms of segmentation. PG&E recognizes the importance of codes and standards in the pursuit of multiple energy efficiency and decarbonization policy objectives. While the core aim of the codes and standards program is to strengthen or develop regulations to promote and support energy efficiency, the program continues to also support regulations that promote a number of other important state policy objectives (e.g. water efficiency, electrification, greenhouse gas reduction, alternative fuel vehicles, grid flexibility and sustainability, indoor air quality, and equity considerations) as they relate to EE. PG&E's annual codes and standards spend over the last eight years has facilitated PG&E actively participating in state, federal, and regional codes and standards efforts through the three statewide Advocacy subprograms, and the local subprograms which include Compliance Improvement, Code Readiness, Reach Codes & Planning & Coordination. PG&E intends to manage the codes and standards program and its budget allocations to continue these efforts and to enable the program to cost effectively address current, evolving, and future needs for codes and standards in California.

³² D. 21-05-031, OP 2. The Decision also confirmed (p.16) that Codes and Standards is separate: "C&S programs will remain separate as well, as previously defined in D.12-05-015." EM&V funds are assigned to an EM&V segment for reporting purposes in CEDARS.

Portfolio Segmentation Strategy

PG&E's default position is that a program is in the RA segment. PG&E assigns a program to the market support or equity segment only if its primary purpose aligns with market support³³ or equity³⁴ objectives rather than with resource acquisition objectives³⁵. As recognized in D.21-05-031³⁶, while an individual program may only be assigned to one segment at any point in time, it is often the case that programs have multiple objectives. PG&E has several programs that, while segmented based on their primary purpose, have objectives that align with other segments. For example, the local WE&T Integrated Energy Education & Training (IEET) Program, (PGE21071) has a primary purpose of supporting the long-term success of the EE market through education and training, and thus is assigned to the market support segment, but also has equity objectives and provides classes that serve HTR and DAC populations. Given this, PGE21071 is assigned to the market support segment. These types of programs demonstrate PG&E's continuing goal to serve multiple objectives through its EE portfolio.

The majority of PG&E's recently solicited third-party local and statewide programs are assigned to the RA segment. PG&E's solicitations for these programs operated under the former pre-portfolio segmentation paradigm in which programs could only be designated as resource or non-resource, therefore any programs that were solicited as resource programs have designs that seek to deliver cost-effective resource savings. However, this does not mean that all "resource" programs awarded under this pre-portfolio segmentation paradigm to the RA segment.

The forecasted cost-effectiveness of a program was not a determinant in the segment assignments, however D.21-05-031 acknowledges "the conflict between cost-effectiveness and other equally or more important policy objectives such as equity and support for the energy efficiency market".³⁷ Portfolio segmentation enables PG&E and other IOUs to still support equity and market support activities valued by the Commission and include programs that may have otherwise been retired from the portfolio or not

³³ D. 21-05-031, p. 14: "Programs with a primary objective of supporting the long-term success of the energy efficiency market by educating customers, training contractors, building partnerships, or moving beneficial technologies towards greater cost-effectiveness."

³⁴ D. 21-05-031, p. 14: "Programs with a primary purpose of providing energy efficiency to hard-to-reach or underserved customers and disadvantaged communities in advancement of the Commission's Environmental and Social Justice (ESJ) Action Plan;3 Improving access to energy efficiency for ESJ communities, as defined in the ESJ Action Plan, may provide corollary benefits such as increased comfort and safety, improved indoor air quality and more affordable utility bills."

³⁵ D. 21-05-031, p. 14: "Programs with a primary purpose of, and a short-term ability to, deliver cost-effective avoided cost benefits to the electricity and natural gas systems. Short-term is defined as during the approved budget period for the portfolio, which will be discussed further later in this decision."

³⁶ D.21-05-031, pp.15-16.

³⁷ D.21-05-031, pp. 13-14.

considered in a solicitation. The sections below will highlight the programs PG&E assigns to the market support and equity segments in this BBAL, and the rationale for those assignments.

Market Support Segment

PG&E's market support segment includes programs in which the primary objectives are to contribute to the long-term success of the broader energy efficiency market, including education and training, building partnerships, moving beneficial technologies towards greater cost-effectiveness, and accelerating adoption of emerging technologies into codes & standards. PG&E considers these programs' broader impact on the market, rather than just at the sites of intervention, as a critical aspect of their assignment to the market support segment.

As outlined in the final report³⁸ from the CAEECC Market Support Metrics Working Group (MSMWG), the sub-objectives of the market support segment provide an opportunity to build, enable, and maintain demand, supply, partnerships, innovation and accessibility, and access to capital. These recommended sub-objectives further reaffirm PG&E's program assignments for the market support segment, as detailed below.

New Construction Programs

The four new PG&E-led Statewide Residential and Non-Residential New Construction programs³⁹ and PG&E's three existing local new construction programs⁴⁰ are assigned to the market support segment. New construction programs have historically supported the broader energy efficient new construction market and the new statewide programs continue to do so, but now with enhanced efforts to support building decarbonization and electrification.

As designed, the new construction programs in PG&E's portfolio have primary objectives that align with the CPUC's market support definition⁴¹. While they all achieve resource savings – and this BBAL forecast includes first-year net energy savings attributable to these programs – delivery of those short-term cost-effective savings are not their primary objectives. Rather, their primary objectives include: providing energy efficient design assistance to promote the early adoption of reach codes and future code elements to make long-term changes to standard practices in the new construction market; educating builders, developers, and architecture and engineering (A&E) firms; accelerating adoption

³⁸ CAEECC Equity Metrics Working Group Report

³⁹ See Table 6 for a complete list of residential and non-residential electric and mixed fuel Program IDs

⁴⁰ Savings by Design (PGE211025), Residential New Construction (PGE21005), and California New Homes Multifamily (PGE21007).

⁴¹ D. 21-05-031, p. 14: "Programs with a primary objective of supporting the long-term success of the energy efficiency market by educating customers, training contractors, building partnerships, or moving beneficial technologies towards greater cost-effectiveness."

of advanced EE technologies; and driving decarbonization and the adoption of all-electric new construction. Reviews of the four statewide new construction programs' logic models⁴² show that the primary objectives for these programs strongly align with each component of the market support definition.

Assigning the new construction programs to the market support segment supports California's major policy priorities on climate change, particularly economy-wide carbon neutrality by 2045⁴³ and reducing greenhouse gas (GHG) emissions to 80% of 1990 levels by 2050 because it allows for these new construction programs to prioritize activities that benefit these long-term goals over the pursuit of short-term cost-effective first-year net energy savings. For the state to achieve these ambitious goals, it must decarbonize its buildings⁴⁴. The decarbonization of California's buildings requires extensive levels of coordination both within EE and beyond. In D.18-05-041, the CPUC designated PG&E as the lead for both the Statewide New Construction programs and the Statewide Codes & Standards Advocacy⁴⁵ programs due to the related nature of these activities and expertise required.⁴⁶ This structure provided the opportunity for PG&E to set the direction for these programs to work in concert together with complementary activities, and at the scale and level of investment to pursue the state's climate change goals.

Other IOU-led Statewide Program

SDG&E is the assigned lead PA for the Statewide Residential QI/QM program (PGE_SW_HVAC_QIQM) and has designated this program as market support. Please refer to SDG&E's BBAL for further information regarding this designation.

Residential Sector Market Support

The Comfortable Home Rebates (PGE_Res_001a) program's primary objective is to support the long-term success of the residential single-family home retrofit market. This program works with individual homeowners to educate them on the "whole house" approach and educates the broader residential trade professional community in applied building science and quality installation of whole-house measures, as well as sales and marketing, to improve installation services that are provided. The program promotes contractor awareness and education regarding quality installation practices, HVAC permitting, Title-24 documentation, and helps contractors improve their sales processes by highlighting the benefits of energy efficient equipment and educating customers on the use of their new products. This program has helped single-family homeowners achieve

⁴² CEDAM Implementation Plan, p.14, found <u>here</u>. CEDAE Implementation Plan, p.14 found <u>here</u>. CESHP All-Electric Implementation Plan, p.16 found <u>here</u>. CESHP Mixed-Fuel Implementation Plan (Draft version on CAEECC website as of 10/23/2021): <u>here</u>.

⁴³ SB100 and Executive Order B-55-18.

⁴⁴ 2019 California Energy Efficiency Action Plan, p. 6.

⁴⁵ State Appliance Standards Advocacy (PGE_SW_CSA_Appl), State Building Codes Advocacy (PGE_SW_CSA_Bldg), and National Codes & Standards Advocacy (PGE_SW_CSA_Natl)

⁴⁶ D.18-05-041, p.90.

long-term energy savings through deep retrofits, but has been challenging to deliver costeffectively given the high measure costs and limited above-code savings. The portfolio segmentation paradigm adopted in D.21-05-031 has enabled PG&E to retain this program in its portfolio so that it can continue to provide direct support to the residential trade professional community.

Maintaining programs such as Comfortable Home Rebates (CHR) can enable PG&E to sustain partnerships with the residential trade professional community to ensure they are ready to train in performing single-family home retrofits that are all-electric-ready. While the statewide residential new construction programs also address alterations through their measure-by-measure approach with incentives for electrifying appliances & systems, CHR is a complementary approach to build, enable, and maintain the relationship with those residential trade professionals who could be installing those measures.

Market Support Program Solicitation

This BBAL forecast includes one placeholder program ID (PGE_Res_002e) in the market support segment for a new online marketplace expected to launch in 2022. This is currently an active solicitation requesting a program focus on continuing to raise customer awareness of, and engagement with, energy management products and expand to energy management programs and services.

Local Government Partnership (LGP) Programs

The eight LGP programs⁴⁷ that were awarded in 2020 via PG&E's Third-Party Solicitations are assigned to the market support segment. As noted above, one of the primary sub-objective recommendations from the CAEECC MSMWG was to build, enable, and maintain partnerships⁴⁸. PG&E's LGP programs were selected based on their ability to enable and identify EE opportunities within the communities of the local public agencies that they serve. These new LGP programs are not specifically designed to directly deliver short-term cost-effective energy savings. They are designed to enable opportunities for local public agency customers to save energy in their buildings, to increase the opportunities (DAC) through working with local governments, or improve local government staff capacity to conduct activities that will lead to EE for the local government and/or its communities. While the LGP programs have equity components in their program design, their support extends beyond those communities included in the equity definition and they are therefore better aligned with the market support segment.

⁴⁷ PGE_Pub_001 through PGE_Pub_008.

⁴⁸ CAEECC-Hosted Market Support Metrics Working Group Report and Recommendations to the California Public Utilities Commission and the Energy Efficiency Program Administrators, October 6, 2021, p. 14, Sub-objective #3: "Build, enable, and maintain partnerships with consumers, governments, advocates, contractors, suppliers, manufacturers, community-based organizations and/or other entities to obtain delivery and/or funding efficiencies for energy efficiency products, and/or services and added value for partners".

Workforce Education & Training (WE&T)

The PG&E-led Statewide WE&T Career Connections Program (PGE_SW_WET_CC) is assigned to the market support segment due to its primary objective to develop the next generation of energy workers by:

- raising awareness and exposure to "high-value" energy career pathways for K-12 disadvantaged students;
- preparing students with knowledge, skills, and abilities related to IDSM;
- and providing professional development training to "boost educator experience and confidence" in energy and STEM topics.⁴⁹

This aligns with a key component of the market support definition to support the long-term success of the EE market through education. This non-resource program is assigned to market support rather than equity because the population served is not limited to those within the equity definition. While this program does have an equity component through raising awareness for K-12 disadvantaged students, the overall program has a broader scope and therefore is better aligned with the market support segment.

PG&E's local WE&T program Integrated Energy Education and Training (IEET) is assigned to the market support segment for similar reasons as the SW Career Connections Program. IEET focuses on collaborating with other training organizations that are training future members of the energy workforce to introduce and/or expand EE content into their programs. IEET also helps to educate current members of the energy workforce on ways to save energy and decarbonize buildings through changes to workplace practices, equipment operations, equipment selection, and facility operations.⁵⁰

Emerging Technologies Programs

PG&E has two local Emerging Technologies subprograms remaining in its portfolio in 2022 that are assigned to the market support segment – the Technology Assessments (PGE21062) and Technology Introduction Support (PGE21063) subprograms. SCE and SoCalGas are the Lead IOUs for the Statewide Emerging Technologies Electric and Gas Programs, respectively. Those statewide programs are expected to launch in late 2021 (gas) and 2022 (electric), therefore, PG&E's local programs' forecasted budgets are intended to bridge the gap until those statewide programs come fully online and to complete existing projects. The Emerging Technologies Program (ETP) primary objective is to accelerate the adoption of emerging technologies, which aligns well with the core component in the market support definition to "mov[e] beneficial technologies towards greater cost-effectiveness".⁵¹

⁴⁹ The Energy Coalition's Energy is Everything Implementation Plan, p.6, available at <u>https://cedars.sound-data.com/documents/download/2021/main/</u>

⁵⁰ Integrated Energy Education & Training subprogram Implementation Plan, found <u>here</u>.

⁵¹ D.21-05-031, p.14.

Table 6 shows the programs that PG&E has assigned to the market support segment for 2022-2023.

Program ID	Program Name
PGE_Res_001a	Comfortable Home Rebates
PGE_Res_002b	Residential Energy Advisor – Marketplace
PGE_Res_002e	New Marketplace Placeholder
PGE_SW_ETP_Elec	Emerging Technologies Program, Electric
PGE_SW_ETP_Gas	Emerging Technologies Program, Gas
PGE_SW_HVAC_QIQM	SW Residential QI/QM
PGE_SW_NC_NonRes_Ag_electric, PGE_SW_NC_NonRes_Com_electric, PGE_SW_NC_NonRes_Ind_electric, PGE_SW_NC_NonRes_Pub_electric,	
PGE_SW_NC_NonRes_Res_electric PGE_SW_NC_NonRes_Ag_mixed, PGE_SW_NC_NonRes_Com_mixed, PGE_SW_NC_NonRes_Ind_mixed, PGE_SW_NC_NonRes_Pub_mixed,	New Construction Non-Residential – All Electric
PGE_SW_NC_NonRes_Res_electric	New Construction Non-Residential – Mixed Fuel
PGE_SW_NC_Res_electric	New Construction Residential, Electric
PGE_SW_NC_Res_mixed	New Construction Residential, Mixed Fuel
PGE_SW_WET_CC	SW Workforce Education & Training Career Connections
PGE21005	Residential New Construction
PGE21007	California New Homes Multifamily
PGE21062	Technology Assessments
PGE21063	Technology Introduction Support
PGE21071	Integrated Energy Education and Training
PGE211025	Savings by Design (SBD)
PGE_Pub_001	Central Coast Leaders in Energy Action Program
PGE_Pub_002	Marin Energy Watch Partnership
PGE_Pub_003	Redwood Coast Energy Watch
PGE_Pub_004	Central California Energy Watch
PGE_Pub_005	San Mateo County Energy Watch Program
PGE_Pub_006	Energy Access SF
PGE_Pub_007	Sierra Nevada Energy Watch
PGE_Pub_008	Sonoma Public Energy
PGE_SWME&O	SW ME&O

Equity Segment

For 2022 and 2023, PG&E provides forecasts for four programs in its equity segment two are currently active, one is in solicitation, and one is a placeholder for potential future solicitation. The programs assigned to the equity segment align with the definition in D. 21-05-031: they primarily serve, or intend to serve, hard-to-reach or underserved customers and/or DACs in the advancement of the Commission's Environmental and Social Justice (ESJ) Action Plan. While programs in other segments in PG&E's portfolio also support equity objectives and/or serve equity populations, the programs designated as part of the equity segment in this BBAL are limited only to those whose primary objective aligns with the D. 21-05-031 definition.

Active programs

The Statewide WE&T Career and Workforce Readiness (CWR) program (PGE_SW_WET_Work) is focused specifically on "generating a diversity of pathways for disadvantaged workers into energy careers,"⁵² and thus better aligns with the equity segment. The CWR program provides technical upskill training and job placement to disadvantaged workers. This subprogram launched in 2021 and is forecasted to be active throughout 2022 and 2023.

PG&E is assigning its existing Local Government Energy Action Resources (LGEAR, PGE2110051) Program to the equity segment because of the program's focus on delivering energy efficiency to traditionally underserved communities such as small business customers. In 2021, PG&E maintained LGEAR to support the EE needs of small business customers who were significantly impacted by the pandemic but also unserved by the newly solicited local third-party programs. PG&E recognized this gap in coverage and proceeded with a targeted solicitation for a new small/microbusiness equity program (see below for more detail). PG&E plans to maintain the LGEAR program until that new program is launched to ensure the needs of these underserved customers are addressed in its EE portfolio.

Current and future equity program solicitation

PG&E is running an active solicitation for a targeted small/microbusiness equity program (placeholder PrgID PGE_Com_SmallBiz) that provides programs and services that enable awareness, access, and participation in EE to customers whose engagement and participation in EE has historically been disproportionately low. While the selected program may deliver claimable savings, that was not the primary objective indicated in

⁵² The SEI Energize Careers Implementation Plan, <u>https://cedars.sound-data.com/documents/download/2020/main/</u>.

Advice 4521-G-A/6385-E-A

the solicitation⁵³. While details of the program depends on the outcome of the solicitation, PG&E envisions that this program will target underserved small/micro business customers using smart technologies and leveraging existing community-based partners and resources. PG&E forecasts this program to launch in 2022.

PG&E includes a placeholder program ID (PGE_Res_Equity) for a to-be-determined solicitation for a new equity program(s). PG&E has not defined the scope of the program(s) but has identified market needs for building decarbonization support for low-middle income residential customers (who are not ESA-eligible) and for customers who reside in manufactured/ mobile homes (MMH). While PG&E offered a MMH program in the past, that program was retired due to low cost-effectiveness⁵⁴. The equity segment established in D. 21-05-031⁵⁵ provides an opportunity to explore a future program to address the unique needs of this market which has historically been difficult to serve cost-effectively.

PG&E will continue to engage with the market to identify other opportunities to offer equity-oriented programs.

Program ID	Program Name	
PGE_Com_SmallBiz	Small/Microbusiness Placeholder	
PGE2110051	Local Government Energy Action Resources (LGEAR)	
PGE_SW_WET_Work	WE&T Career and Workforce Readiness	
PGE_Res_Equity	Residential Equity Placeholder	

Table 7: Equity Segment Program(s)

F. Summer Reliability

PG&E looks forward to working with the Commission and stakeholders to mitigate the risk of capacity shortages, through the pursuit of both peak and net peak demand reduction and permanent load reduction. In its Phase 2 Opening Testimony in Rulemaking 20-11-003 ("Emergency Reliability OIR"),⁵⁶ PG&E discussed a range of program options and policy matters to address grid reliability needs in summer 2022, 2023 and potentially beyond—including demand- and supply-side interventions. As a companion to those ideas, in its comments on the *Administrative Law Judge's Email Ruling Requesting*

⁵³ "As an equity program, the primary objective is to achieve increased participation and provide targeted services to customers and regions which don't historically receive it." RFA General Instructions, p. 10, Section 2.1.

⁵⁴ PGE21009, Direct Install for Manufactured and Mobile Homes Program closed December 2020, per PG&E's 2021 supplemental ABAL.

⁵⁵ D.21-05-031, OP 2.

⁵⁶ Pacific Gas and Electric Company, Emergency Reliability Order Instituting Rulemaking Errata Testimony, Application 20-11-003, September 2, 2021.

*Comments/Proposals to Address Governor's Proclamation of July 30, 2021,*⁵⁷ PG&E recommended targeted energy efficiency policy changes that could positively impact grid reliability, particularly during the summers of 2022 and 2023. These recommendations include:

- Updating IDSM rules to further implementation of comprehensive programs
- Expanding eligibility and expedited approval of custom and site-level NMEC projects capable of providing peak demand reduction prior to the summers needed
- Increasing procurement flexibility to enable faster response to emerging marker or grid needs
- Enabling full valuation of reliability benefits

PG&E awaits future Commission guidance on actions program administrators should take to support summer reliability, within and beyond the realm of energy efficiency. PG&E is also exploring ways to address the need for peak and net peak demand reduction within the existing rule set for energy efficiency programs.

Potential Nonresidential Strategies

A straightforward strategy through which nonresidential programs can support summer reliability is to prioritize "reliability-focused" projects—those that can credibly deliver meaningful peak or net peak demand reduction during summer 2022 or 2023, and install prior to the beginning of the appropriate summer season.⁵⁸ PG&E plans to prioritize these projects, and develop guidance for implementers and trade professionals on how to properly document peak and net peak demand reduction. In addition, PG&E may also work with its third-party implementers to offer enhanced incentives⁵⁹ or performance payments through existing contracts for reliability-focused projects or measures.

Potential Residential Strategies

PG&E proposed programs aimed at reducing residential peak and net peak demand in the Emergency Reliability OIR, including a residential Emergency Load Reduction Program and Power Saver Rewards Pilot.⁶⁰ Within its energy efficiency portfolio, PG&E plans to undertake strategies to help residential customers reduce peak and net peak electric demand that complement programs and actions approved in the Emergency

⁵⁷ Pacific Gas & Electric Company's (U 39 M) Comments to the Administrative Law Judge's Email Ruling Requesting Comments/Proposals to Address Governor's Proclamation of July 30, 2021, filed August 31, 2021.

⁵⁸ These types of projects are also discussed in PG&E's *Comments on the ALJ's Email Ruling* on p. 5. "If the Commission does not establish criteria for "meaningful" electric demand reduction, PG&E will identify a threshold internally."

⁵⁹ It is a part of the program design of PG&E third-party implementers to determine appropriate incentive levels for their projects.

⁶⁰ PG&E's Emergency Reliability OIR Errata Testimony, Chapters 2-3.

Reliability OIR or otherwise ordered by the Commission. These could include approaches such as:

- Using energy efficiency communication channels to message customers with specific requests to reduce load. For example, this could include adding tips on reducing peak demand to customer communications, for example, through the Home Energy Reports and Home Energy Checkup programs.
- Targeting customers with higher summer peak kW demand with interventions aimed at reducing their peak and net peak load. Interventions could include installation of smart thermostats or HVAC, ductwork, and attic insulation measures, if needed.

These interventions are not included in PG&E's 2022-23 EE forecast because PG&E intends to develop them to complement activities authorized in the Emergency Reliability OIR and/or funded by the Electric Reliability Memorandum Account that PG&E proposed in its opening testimony in the Emergency Reliability OIR.⁶¹

G. Fuel Substitution

PG&E understands the critical role fuel substitution measures and programs play in reducing GHG emissions and the urgency with which the Commission has encouraged PAs to pursue fuel substitution opportunities. Heat pump technology is advancing and slowly gaining traction in the market as distributors, contractors, and customers are learning about the latest developments. However, numerous significant barriers persist that prevent rapid growth in the heat pump water heater and heat pump HVAC equipment markets – highlighting the importance of market calibration when estimating the savings potential of these technologies. The following are some of the barriers that the heat pump technology needs to overcome to become a well-accepted technology by all the different parties involved:

- Lack of familiarity or experience with heat pump technology among distributors⁶², contractors⁶³, local governments⁶⁴ and customers⁶⁵;
- Cost of 2 to 3 times the cost of typical equipment;

⁶¹ PG&E Emergency Reliability Order Instituting Rulemaking Errata Testimony, Application 20-11-003, September 2, 2021. Last accessed October 24, 2021 at: <u>https://www.cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/summer-2021-reliability/openingtestimony/pdfa_emergencyreliabilityoir_test_pge_20210902.pdf</u>.

⁶² CEE. 2016. *Overview of HPWH Programs in the US and Canada*. Consortium for Energy Efficiency.

⁶³ EEE. 2019. "Residential Building Electrification in California." RHA. 2020. *WatterSaver Beta Test Final Report.* Richard Heath & Associates.

⁶⁴ NBI. 2020. *California Retrofit-Ready HPWH Program Elements Framework*. National Building Institute.

⁶⁵ CEE 2016. Overview of HPWH Programs in the US and Canada. Consortium for Energy Efficiency.

- Customers often replace equipment on burnout, leaving no time to explore different replacement options;
- Contractors generally prefer installing "like for like";
- Cost of panel upgrade typically necessary for a heat pump water heater⁶⁶; and
- Customer preference to not be an alpha/beta user⁶⁷.

PG&E is currently committing resources across its EE portfolio to address a number of these barriers. These efforts include, but are not limited to:

- Rebates and incentives for heat pump equipment within the following programs: Comfortable Home Rebates (PGE_RES_001A); Multifamily Energy Savings Program (PGE_RES_003); Local Plug Load and Appliance (PGE_21002); CA Energy-Smart Homes Program (SW_NC_Res_electric, SW_NC_Res_mixed); Comfortably CA (SW_HVAC_Up) and Statewide Midstream Water Heating Program (SW_MCWH);
- Education and training on heat pump water heater equipment and benefits through the CA Energy-Smart Homes Program; Codes and Standards Program; WE&T classes on electrification and heat pump appliances;
- Pilot studies and equipment testing: the Midstream Heat Pump Water Heater Study/Pilot (funded through PG&E's Codes & Standards and Demand Response Emerging Technologies Program; 120V Heat Pump Water Heater Study (implemented by New Buildings Institute and co-funded partially by PG&E's Codes & Standards, SCE, and SMUD); EM&V-funded Furnace Replacement Study; C&S testing and data collection; and
- Leveraging BUILD and TECH, and relationships with builders, developers, trade allies, and community-based organizations (CBOs).

PG&E understands that there are statewide programs that will influence next steps in the heat pump space. When details of the TECH initiative, BUILD initiative, Statewide Plug Load Appliance, and SGIP are further formalized, PG&E will be able to determine the most appropriate pathways to take to fill in the market gaps while achieving claimable savings and reducing GHG emissions.

H. 2022 and 2023 Program Closures, Changes, and Launches

This section identifies changes to PG&E's proposed programmatic activity in compliance with D.15-10-028 and D.18-05-041. PG&E met its second program outsourcing requirement of 40% by December 31, 2020. PG&E is forecast to continue to exceed 40% in 2022 and forecast to meet the 60% outsourcing requirement by December 31, 2022. New third-party programs will be launching in 2022 and 2023 and will maintain some programs to aide in that transition. Specifically, the portfolio adjustments include the ramp

⁶⁶ CPUC. 2021. SGIP HPWH Staff Proposal. CPUC Energy Division Staff.

⁶⁷ NEEA. 2020. *Electric HPWH Logic Model*. Northwest Energy Efficiency Alliance.

Advice 4521-G-A/6385-E-A

down and closure of several existing programs⁶⁸ either immediately or upon completion of project commitments, as well as contract extensions for some existing programs to maintain delivery of programs and services until new replacement programs are fully active.

The program budget changes described in this section reflect budgets that changed by 40% or more relative to program budgets approved in PG&E's 2021 ABAL, in accordance with D.18-05-041 OP 41 and section 7.2. Program changes, including closures and launches, are detailed in the following sections and summarized in Attachment A, Table 4.1, to this advice letter.

Programs to be closed at contract term end date

PG&E intends to close six existing programs at the end of 2021 pursuant to its contract term end date. These programs, shown in Table 8 below, are closing because of low performance or because they would overlap with the new local third-party and/or statewide programs that are expected to be active in 2022. These programs are not included in PG&E's 2022 CEDARS budget filing. All these programs have a contract term end date of December 31, 2021, thus their closure does not require a public webinar, per D. 21-05-031.⁶⁹

Program ID	Program Name	Contract Term End Date
PGE210210	Industrial Recommissioning Program	12/31/2021
PGE21027	Heavy Industry Energy Efficiency Program	12/31/2021
PGE210143	Hospitality Program	12/31/2021
PGE_Res_002c	Residential Energy Advisor - Home Energy Reports	12/31/2021
	Pay for Performance - Home Energy	12/31/2021
PGE_Res_001d	Optimization	
PGE21072	Connections	12/31/2021

Table 8: Programs to be Closed at contract term end date

Programs to be Closed in 2022 or 2023

PG&E includes in its 2022-2023 BBAL forecasts, budgets for 13 programs that it plans to close either upon completion of current program commitments or when a new third-party program launches to serve the needs that the current program is meeting. Several

⁶⁸ For the purposes of this 2022-2023 ABAL, a "closed" program is no longer accepting new applications. Unless otherwise noted, a closed program may still have program spend and savings claims into 2022 and beyond, in order to meet outstanding program commitments and complete project pipelines in place prior to closure.

⁶⁹ D. 12-05-031, OP12 "A webinar or workshop shall not be required in the narrow circumstance where a third-party program is ending according to its original contract term length."

programs that will close upon completion of their current commitments are not open to new project applications and are finishing out their existing pipeline of projects in anticipation of a new local or statewide third-party program ramping up in 2022 to meet those customer or market needs.

Program ID	Program Name	% Budget Change from 2021	Reason for Closure	Contract Extensio n Date	Explanation
PGE21005	Residential New Constructio n	-64.34%	New local third-party and/or statewide program overlap	n/a	Finishing existing pipeline and ramping down in anticipation of new program overlap
PGE21007	California New Homes Multifamily	-29.96%	New local third-party and/or statewide program overlap	n/a	Finishing existing pipeline and ramping down in anticipation of new program overlap
PGE21062	Technology Assessment s	24.40%	Finishing existing pipeline and ramping down in anticipation of new third-party program overlap	06/30/202 2	Extended into 2022 to gap-fill for incoming third- party programs
PGE21063	Technology Introduction Support	-68.29%	Finishing existing pipeline and ramping down in anticipation of new third-party program overlap	06/30/202 2	Extended into 2022 to gap-fill for incoming third- party programs
PGE2110051	Local Government Energy Action Resources (LGEAR)	-40.38%	New local third-party and/or statewide program overlap	2022 (Month TBD)	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap
PGE2110011	California Community Colleges	-70.44%	New local third-party and/or statewide program overlap	2022 (Month TBD)	Extended into 2022 to gap-fill for incoming third- party programs
PGE2110012	University of California/C alifornia State University	-50.57%	New local third-party and/or statewide program overlap	2022 (Month TBD)	Extended into 2022 to gap-fill for incoming third- party programs
PGE_Res_00 1a	Pay for Performanc e - Comfortable	7.22%	New local third-party and/or statewide program overlap	2022 (Month TBD)	Extended into 2022 to gap-fill for incoming third- party programs

Table 9: Programs to be Closed Upon Completion of Commitments	able 9: Programs to be Closed Upon Comple	tion of Commitments
---	---	---------------------

	Home Rebates				
PGE211025	Savings By Design (SBD)	-63.38%	New local third-party and/or statewide program overlap	n/a	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications
PGE2110013	State of California	-78.92%	New local third-party and/or statewide program overlap	n/a	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap
PGE2110014	Department of Corrections and Rehabilitatio n	-53.76%	New local third-party and/or statewide program overlap	n/a	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap
PGE_Res_00 2b	Residential Energy Advisor - Marketplace	-73.93%	New local third-party and/or statewide program overlap	2022 (Month TBD)	Program being extended into 2022 to ensure continuity in offerings until new third-party program ramps up
PGE21002	Residential Energy Efficiency	-14.49%	New local third party and/or statewide program overlap	2022 (Month TBD)	Program being extended into 2022 to ensure continuity in offerings until Statewide Plug Load and Appliance Program ramps up

Programs with Budget Changes of 40% or More Relative to the 2021 ABAL

Several programs have 2022 budgets that have either decreased or increased by 40% or more relative to PG&E's 2021 ABAL, shown in Tables 10 and 11 below.

Table 10: Programs with 2022 Budgets Decreased by 40% or More relative to PG&E's 2021 ABAL

Program ID	Program Name	% Budget Change from 2021	Explanation
PGE_Res_002b	Residential Energy Advisor - Marketplace	-73.93%	Program is expected to operate into approximately mid-2022 and plans to ramp down in coordination with New Marketplace Placeholder ramp up

PGE21005	Residential New Construction	-64.34%	Ramping down due to overlap with new SW programs PGE_SW_NC_Res_electric and PGE_SW_NC_Res_mixed
PGE211025	Savings by Design (SBD)	-63.38%	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications
PGE21031	Agricultural Calculated Incentives	-75.99%	Ramping down to allow for third party program ramp up
PGE21032	Agricultural Deemed Incentives	-73.58%	Ramping down to allow for third party program ramp up
PGE2110011	California Community Colleges	-70.44%	Ramping down due to overlap with new SW program PGE_SW_IP_Colleges
PGE2110012	University of California/California State University	-50.57%	Ramping down due to overlap with new SW programs PGE_SW_IP_Colleges
PGE2110051	Local Government Energy Action Resources (LGEAR)	-40.38%	Ramping down to allow for new local third- party program ramp up
PGE2110013	State of California	-78.92%	Ramping down due to overlap with new SW program PGE_SW_IP_Gov
PGE2110014	Department of Corrections and Rehabilitation	-53.76%	Ramping down due to overlap with new SW program PGE_SW_IP_Gov
PGE_SW_CSA_Appl	State Appliance Standards Advocacy	-50.80%	Budget reduction due to reduced CEC activity on Title 20 in 2022
PGE21063	Technology Introduction Support	-68.29%	Ramping down to allow for new local third- party program ramp up

Table 11: Programs with 2022 Budgets Increased by 40% or More relative to PG&E's 2021 ABAL

Program ID	Program Name	% Budget Change from 2021	Explanation
PGE_Res_001b	Pay for Performance - Home Intel	179.08%	Program budget increase reflects extended enrollment period and resulting in additional customer enrollment
PGE_Res_001c	Pay for Performance -	118.63%	Program budget increase reflects extended enrollment period and resulting in additional customer enrollment

	Home Energy Rewards		
PGE_SW_PLA	Plug Load and Appliance	103.24%	Ramp up activities for statewide third-party program; budget set by lead PA
PGE_Com_001	Grocery Comprehensive Retrofit and Commissioning	156.28%	This is a new local third-party program ramping up
PGE_Com_002	Smart Labs	98.48%	This is a new local third-party program ramping up
PGE_SW_UL	Lighting (Upstream)	83.46%	Ramp up activities for new SW third-party program; budget set by lead PA
PGE_Ag_001	Agriculture Energy Savings Action Plan	108.07%	This is a new local third-party program ramping up
PGE_Ind_001b	Industrial SEM - Manufacturing	65.18%	Program budget increase reflects increased customer enrollment
PGE_Ind_002	Business Energy Performance Program	52.02%	This is a new local third-party program ramping up
PGE_Ind_003	Industrial Systems Optimization Program	71.10%	This is a new local third-party program ramping up
PGE_Pub_010	RAPIDS Wastewater Treatment Optimization Program	191.33%	This is a new local third-party program ramping up
PGE_SW_IP_Gov	Institutional Partnerships: DGS and DoC	257.68%	Ramp up activities for new SW third-party program
PGE_SW_CSA_Natl	National Codes & Standards Advocacy		Increased budget necessary to support increased DOE advocacy
PGE_SW_WET_CC	WET Career Connections	71.43%	This is a new third-party statewide program ramping up
PGE_SW_WET_Work	WET Career and Workforce Readiness	42.50%	This is a new third-party statewide program ramping up

New Programs Launching in 2022 and 2023

PG&E is introducing multiple new programs into its 2022 and 2023 portfolios because of its third-party local and statewide solicitations processes, and the statewide solicitations of other lead PAs, in cases where PG&E is not the lead PA:

- Three new local, third-party programs; and
- Four new statewide programs

These new programs are listed in Table 12 below. With the exception of SW HVAC QI/QM Program and the Residential Equity Placeholder, which are forecasted to launch in 2023, all are expected to be active in 2022. However, several are not expected to deliver savings until 2023. Attachment A, Table 6, of this advice letter contains further details on the SW program budgets by IOU for 2022 and 2023.

Program ID	Program Name	Program Type
PGE_Res_Equity	Residential Equity Placeholder	Local Third Party
PGE_Res_002e	New Marketplace Placeholder	Local Third Party
PBE_Com_SmallBiz	Small/Microbusiness Placeholder	Local Third Party
PGE_SW_ETP_Elec (a)	Emerging Technologies Program, Electric	Statewide
PGE_SW_IP_Colleges	Institutional Partnerships: UC/CSU/CCC	Statewide
PGE_SW_WP ^(a)	Water/wastewater pumping	Statewide
PGE_SW_HVAC_QIQM	Statewide Residential QI/QM	Statewide

Table 12: New Third-Party Local and Statewide Programs for 2022 and 2023⁷⁰

(a) Statewide Program IDs in this table represent the portion of the statewide program that is implemented by a third-party implementer. Each of these statewide programs also has an accompanying Program ID for the Portfolio Administrator (PA) costs, represented by the same Program ID for the statewide program and appended by the characters "_PA". These PA Cost Program IDs are included in CEDARS. The PA Cost Program IDs were created to separately track PG&E's PA costs to support the associated statewide program.

⁷⁰ The programs in this table represent those that were not included in the IOUs' 2021 Annual Budget Advice Letters (ABALs) and are therefore considered "new" for 2022 and 2023. The Statewide Plug Load & Appliances program (PGE_SW_PLA) is expected to be newly active in 2022 but is not included in this table because it was previously approved in the 2021 ABALs.

Program ID Changes Resulting from Program ID Reorganization

PG&E is deactivating one of its Program IDs on CEDARS that was used in reporting the State Appliance Standards Advocacy Program, in PG&E's 2020 and 2021 ABAL as shown in Table 13 below. The program activities under the Program ID that is being deactivated will not be ceasing, therefore the program activities are not classified as "closed" at this point in time. Instead, these program activities will be continuing under a new program ID in 2022 and beyond to ensure alignment with reporting being done across all IOUs (see Table 13 below).

Table 13: 2021 Program IDs Deactivated as Program Activities Move to Alternative Existing Program ID

2020 and 2	2021 ABAL	2022 ABAL forward		
Program ID	Program Name	Program ID Acquiring Program Activities	Program Name Acquiring Program Activities	
PGE_SW_CSA_App	State Appliance Standards Advocacy	PGE_SW_CSA_Appl	State Appliance Standards Advocacy	
PGE_SW_CSA_App_PA	State Appliance Standards Advocacy PA Costs	PGE_SW_CSA_Appl_PA	State Appliance Standards Advocacy	

PG&E is splitting up two of its 2021 existing Program IDs into multiple Program IDs as shown in table 14 below. The New Construction Non-Residential Program (historically PGE_SW_NC_NonRes) has been split into ten separate Program IDs for its 2022 and 2023 forecast. Eight of these Program IDs were created to accurately track the PA costs and benefits that should be attributed to each sector for both the electric and mixed fuel programs, given limitations of CEDARS and the true cross-cutting nature of the New Construction Non-Residential Program. Two additional Program IDs were created due to high-rise multifamily buildings (residential multifamily) being subject to non-residential building code⁷¹ and therefore necessitating a separate residential Program ID for both the electric and mixed fuel programs under the statewide New Construction Non-Residential offering. Similarly, PG&E has split up its New Construction Residential Program (historically PGE SW_NC_Res) into two Program IDs to account for the distinct electric and mixed fuel offerings. Historic Program IDs for the New Construction Non-Residential program IDs for the New Construction Residential Program (historically PGE SW_NC_Res) into two Program IDs to account for the distinct electric and mixed fuel offerings. Historic Program IDs for the New Construction Non-Residential and New Construction Residential programs will be deactivated.

⁷¹ 2019 Title 24 Section 6, Nonresidential Compliance manual (Section 1.7.7).

2021 ABA		2022 ABAL				
Program ID	Program Name	Program ID	Program Name			
PGE_SW_NC_NonRes	New Construction Non- Residential	PGE_SW_NC_NonRes_Ag_electric	New Construction Non-Residential Ag Electric			
		PGE_SW_NC_NonRes_Ag_mixed	New Construction Non-Residential Ag Mixed Fuel			
		PGE_SW_NC_NonRes_Com_electric	New Construction Non-Residential Com Electric			
		PGE_SW_NC_NonRes_Com_mixed	New Construction Non-Residential Com Mixed Fuel			
		PGE_SW_NC_NonRes_Ind_electric	New Construction Non-Residential Ind Electric			
		PGE_SW_NC_NonRes_Ind_mixed	New Construction Non-Residential Ind Mixed Fuel			
		PGE_SW_NC_NonRes_Pub_electric	New Construction Non-Residential Pub Electric			
		PGE_SW_NC_NonRes_Pub_mixed	New Construction Non-Residential Pub Mixed Fuel			
		PGE_SW_NC_NonRes_Res_electric	New Construction Non-Residential Res Electric			
		PGE_SW_NC_NonRes_Res_mixed	New Construction Non-Residential Res Mixed Fuel			
PGE SW_NC_Res	New Construction Residential	PGE_SW_NC_Res_electric	New Construction Residential, Electric			
		PGE_SW_NC_Res_mixed	New Construction Residential, Mixed Fuel			

Table 14: 2021 Program IDs Split into Multiple 2022 Program IDs

I. EM&V

Tables 15a-b show the 2022 and 2023 EM&V budgets for PG&E, BayREN, MCE, and the portion of 3C-REN's that accounts for its shared territory with PG&E.

PA	Total PA Budget without EM&V	EM&V Total	EM&V CPUC Portion ^(b)	EM&V PA Portion	Total PA Budget with EM&V
PG&E ^(c)	\$237,746,906	\$9,906,121	\$6,906,938	\$2,999,183	\$247,653,027
BayREN (d)	\$25,118,073	\$1,046,586	\$758,775	\$287,811	\$26,164,659
MCE (e)	\$14,115,967	\$588,165	\$363,126	\$225,039	\$14,704,132
3C-REN (f)	\$4,235,043	\$176,460	\$127,934	\$48,527	\$4,411,503
Totals	\$281,215,989	\$11,717,333	\$8,156,773		\$292,933,322

Table 15a: 2022 EM&V Budgets

Table 15b: 2023 EM&V Budgets

PA	Total PA Budget without EM&V	EM&V Total	EM&V CPUC Portion ^(b)	EM&V PA Portion	Total PA Budget with EM&V
PG&E ^(c)	\$263,657,979	\$10,985,749	\$7,964,668	\$3,021,081	\$274,643,728
BayREN (d)	\$25,615,673	\$1,067,320	\$773,807	\$293,513	\$26,682,993
MCE (e)	\$14,748,246	\$614,510	\$380,857	\$233,653	\$15,362,756
3C-REN (f)	\$5,551,368	\$231,307	\$167,698	\$63,609	\$5,782,675
Totals	\$309,573,265	\$12,898,886	\$9,287,030		\$322,472,152

(a) The EM&V total amount (including CPUC and PA portions) is assumed to be 4% of the PA's total budget with EM&V.

(b) For BayREN, MCE, and 3C-REN, the EM&V CPUC portion was calculated by subtracting the PA's portion from the EM&V total.

- (c) PG&E's EM&V split is 69.7% CPUC / 30.3% PA in 2022 and is 72.5% CPUC / 27.5% PA in 2023. For PY 2022, PG&E shifted \$275,000 in EM&V budget from the CPUC share of the default 72.5% CPUC / 27.5% PG&E split of the total EM&V budget to the PG&E share to cover anticipated eTRM enhancement costs in 2022, in alignment with Draft 2022 DEER Resolution E-5082, p.10 and conversations with Energy Division Staff in Q2 2020.
- (d) BayREN total budget without EM&V and EM&V PA portion taken from BayREN's draft 2022-2023 ABAL forecast emailed on 10/26/2021, 11/1/2021 and 11/4/2021.
- (e) MCE total budget without EM&V and EM&V PA portion taken from MCE's draft 2022-2023 ABAL forecast emailed on 10/15/2021.
- (f) 3C-REN total budget without EM&V and EM&V PA portion taken from 3C-REN's draft 2022-2023 ABAL forecast emailed on 10/28/2021 and 11/2/2021. PG&E's portion of 3C-REN's

budget is 45.6%. PG&E's share of 3C-REN program and EM&V budgets was coordinated with SCG in advance of the 2022-2023 BBAL filing date.

J. Unspent Funds

Table 16 presents unspent funds. It distinguishes between funds that are committed to be spent on a specific cost, and funds that are uncommitted and thus will either be paid to the CEC for the Schools Stimulus Program or will be applied to offset cost recovery in 2022. While typically all unspent and uncommitted funds serve to offset the cost recovery amount for the next year's budget, per D. 21-01-004, any PG&E 2020 and 2021 unspent and uncommitted funds are to be transferred to the CEC to fund the Schools Stimulus Program created in California Assembly Bill 841.

The pre-2020 unspent/uncommitted "PA Funds" amounts indicated in this table reflect funds collected in rates by PG&E and allocated for REN/CCA budget, but not paid to a REN/CCA. These funds are distinct from the BayREN-, MCE-, and 3C-REN-specific unspent/uncommitted amounts applied by that PA as an offset to it's 2022 cost recovery budget in Table 19b.

	PY2013- 2015	PY 2016	PY 2017	PY 2018	PY 2019	PY 2020	PY 2021 (estimated)	Totals	
Unspent & Comm	Unspent & Committed								
EM&V ^(a)	\$0	\$0	\$14,479,143	\$11,501,157	(\$1,636,128)	(\$5,021,136)	\$13,463,019	\$32,786,055	
Financing Pilots (b)	(\$785,914)	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$3,714,086	
BayREN	\$0	\$0	\$0	\$0	\$0	\$846,034	\$296,123	\$1,142,157	
MCE	\$0	\$0	\$0	\$0	\$0	(\$306,838)	(\$277,735)	(\$584,573)	
3C REN	\$0	\$0	\$0	\$0	\$0	\$1,373,208	\$2,842,626	\$4,215,834	
Total	(\$785,914)	\$0	\$14,979,143	\$12,001,157	(\$1,136,128)	(\$2,608,732)	\$18,824,033	\$41,273,559	
Unspent & Uncon	nmitted Pre	-2020 EM&V	and Ren/CO	CA funds for	2022 Rate C	offset			
EM&V - PG&E Funds	\$1,698,003	\$3,949,526	\$0	\$0	\$0	\$0	\$0	\$5,647,529	
EM&V - CPUC Funds	\$4,246,520	\$11,723,301	\$0	\$0	\$0	\$0	\$0	\$15,969,821	
PA Funds ^(c)	\$3,797,067	\$104,615	\$42,769	\$5,442,402	\$2,933,031	\$0	\$0	\$12,319,884	
Total	\$9,741,590	\$15,777,442	\$42,769	\$5,442,402	\$2,933,031	\$0	\$0	\$33,937,234	
Estimated Unspent & Uncommitted 2020 and 2021 PG&E funds for 2022 Transfer to CEC									
PG&E Program Funds ^(d)	\$0	\$0	\$0	\$0	\$0	\$12,334,487	\$0	\$12,334,487	
Funds		\$15,777,442			\$2,933,031			\$46,271,721	

Table 16: Prior Years' Unspent Funds as of August 2021

(a) Includes unspent funds from the CPUC (\$26.5 million) and PG&E (\$6.3 million)

- (b) Financing Pilot 2017, 2018, 2019, and 2020 committed funds were authorized in AL 3904-G/5175-E, approved effective December 3, 2017. The PY2021 commitment of \$2.5m reflects PG&E administration costs related to the CHEEF program, per PG&E Advice 4495-G/6341-E.
- (c) These amounts were collected by PG&E and considered committed for REN/CCA budget but not paid to a REN/CCA.
- (d) PY2020 amount is an estimate of the unspent and uncommitted amount that is incremental to the \$10,000,000 already estimated in PG&E's 2021 ABAL. Final PY2020 incremental unspent and uncommitted funds pending completion of the 2020 EE audit. PY2021 is an estimate and subject to change.

K. Schools Stimulus Program Funding

Pursuant to Public Utilities Code Section 1600, et seq., and D. 21-01-004, this Budget Advice Letter includes funding of the School Energy Efficiency Stimulus Program (Stimulus Program) administered by the CEC.

Table 17 presents the funding component amounts and totals for the 2021, 2022 and 2023 Stimulus Program. PG&E is already making quarterly payments⁷² to the CEC for the 2021 Stimulus Program. Upon approval of this Budget Advice Letter, PG&E plans to adjust the next payment amount to achieve payment of PG&E's total \$114,800,827 funding amount for the 2021 Stimulus Program. PG&E intends to make quarterly payments to the CEC in 2022 for a total funding amount of \$80,908,048, and in 2023 for a total funding amount of \$69,349,755.

Funding Component	2021 Stimulus Program	2022 Stimulus Program	2023 Stimulus Program
Relevant Percentage ^(a) of difference between funding limitation and 2020 budget	\$92,466,340 ^{(b}	\$80,908,048 ^(c)	\$69,349,755 ^(c)
PG&E estimated 2020 Unspent and Uncommitted Funds	\$10,000000 (b)	N/A	N/A
PG&E incremental actual 2020 Unspent and Uncommitted Funds ^(d)	\$12,334,487	N/A	N/A
PG&E 2021 estimated Unspent and Uncommitted Funds	N/A	\$0	N/A
PG&E 2022 estimated Unspent and Uncommitted Funds	N/A	N/A	\$0
Total Funding	\$114,800,827	\$80,908,048	\$69,349,755

Table 17: PG&E Funding of the 2021, 2022, and 2023 Schools Stimulus Program

(a) Per D. 21-01-004, the relevant percentage for 2021 funding is 80%, 2022 funding is 70%, and the relevant percentage for 2023 is 60%.

⁷² Per Advice 4374-G/6070-E.

- (b) These amounts were approved in AL 4374-G/6070-E and are the basis of the quarterly payments being made in 2021 to the CEC for funding the 2021 Stimulus Program.
- (c) These amounts were ordered in D. 21-01-004.
- (d) This amount is the difference between PG&E's 2020 estimated unspent and uncommitted amount included in PG&E's 2021 ABAL and PG&E's actual final 2020 unspent and uncommitted amount which is pending completion of the UAB audit. This amount is not included in the 2022 budget request or cost recovery request because it has already been collected and will be incorporated into PG&E's payments to the CEC for funding the 2021 Stimulus Program, per D. 21-01-004.

L. Cost Recovery: Schools Stimulus Program and EE Portfolio Administrators

In order to fund the 2022 and 2023 PG&E, BayREN, MCE and 3C-REN portfolio budgets, EM&V, and CEC Schools Stimulus Program budgets identified in this BBAL, PG&E proposes total cost recovery amounts of **\$332,479,218** and **\$391,821,907**, respectively. These cost recovery amounts reflect the total PA and CEC budget requests, offset in some cases by pre-2022 unspent and uncommitted funds already collected by the PAs.

Schools Stimulus Program Cost Recovery

Table 18a presents the total cost recovery request of \$80,908,048 necessary for PG&E to fund the 2022 Stimulus Program. These costs will be recovered from ratepayers in 2022 and paid by PG&E to the CEC quarterly in 2022 per the agreed payment mechanism. This cost recovery request amount does not include the \$12.3m in incremental unspent and uncommitted 2020 EE portfolio funds (as shown in Table 17) because collection of those funds was authorized by the Commission's approval of PG&E's 2020 Annual Budget Advice Letter, and PG&E's 2020 rates already collected those funds.

Cost Recovery	Total 2022 Cost	Applicable Electric/Gas Split		Electric Portion for	Gas Portion for 2022 Cost
Component	Recovery Amount	% Electric	% Gas	2022 Cost Recovery	Recovery
Difference in funding limit and 2020 budget	\$80,908,048	82%	18%	\$66,344,599	\$14,563,449
Total Cost Recovery:	\$80,908,048			\$66,344,599	\$14,563,449

Table 18a: Cost Recovery Request for 2022 Stimulus Program Funding

(a) The 2022 electric/gas split is forecasted to be 82%/18%.

Table 18b presents the total cost recovery request necessary for PG&E to fund the 2023 Stimulus Program. These costs will be recovered from ratepayers in 2023 and paid by PG&E to the CEC quarterly in 2023 per the agreed payment mechanism.

Cost	Total 2023	Applicable Electric/Gas Split		Electric	Gas Portion		
Recovery	Cost	(;	a)	Portion for	for 2023 Cost		
Component	Recovery	% Electric	% Gas	2023 Cost	Recovery		
	Amount			Recovery			
Difference in	\$69,349,755	80%	20%	\$55,479,804	\$13,869,951		
funding limit							
and 2020							
budget							
Total Cost	\$69,349,755			\$55,479,804	\$13,869,951		
Recovery:							

 Table 18b: Cost Recovery Request for 2023 Stimulus Program Funding

(a) The 2023 electric/gas split is forecasted to be 80%/20%.

EE Portfolio Administrators Cost Recovery

Tables 19a and 19c present the total cost recovery figures for PG&E, and Tables 19b and 19d present the total cost recovery amounts for BayREN, MCE, and PG&E's portion of 3C-REN, for 2022 and 2023 respectively.

These tables do not include a cost recovery request for San Jose Clean Energy's (SJCE) authorized three-year budget of \$5.067M⁷³. PG&E allocated \$5.067m to SJCE out of PG&E's 2021 unspent and uncommitted funds and has transferred those funds to SJCE, as ordered by the Commission⁷⁴. These tables also do not include a cost recovery request for Redwood Coast Energy Authority's (RCEA) authorized three-year budget of \$1,896,704. PG&E transferred \$1,896,704 to RCEA out of PG&E's 2020 unspent and uncommitted funds⁷⁵.

⁷³ Resolution E-5166: Certification of San Jose Clean Energy's Energy Efficiency Program Administration Plan. September 10, 2021.

⁷⁴ Ibid.

⁷⁵ Resolution E-5050: Certification of Redwood Coast Energy Authority's Energy Efficiency Program Administration Plan. June 3, 2020.

Table 19a: 2022 Total Portfolio Cost Recovery Budget for PG&E⁷⁶

Cost Recovery Component	Total 2022 Cost Recovery Amount			Electric Portion for 2022 Cost		Gas Portion for 2022 Cost	
		Electric	Gas Recovery Reco		Recovery		
PG&E 2022 EE Portfolio Budget (Less Fuel Substitution Budget)	\$ 244,994,312	82%	18%	\$	200,895,336	\$	44,098,976
PG&E 2022 Budget Forecasted to Support Fuel Substitution ^(b)	\$ 2,658,715	100%	0%	\$	2,658,715	\$	-
PG&E Portfolio Budget Subtotal	\$ 247,653,027	82%	18%	\$	203,075,482	\$	44,577,545
PG&E 2021 Estimated Unspent and Uncommitted Funds for 2022 Offset ^(c)	\$ -	N/A	N/A	\$	-	\$	-
2019 Unspent and Uncommitted Funds for 2022 Offset	\$ (2,933,031)	76%	24%	\$	(2,229,104)	\$	(703,927)
2018 Unspent and Uncommitted Funds for 2022 Offset	\$ (5,442,402)	84%	16%	\$	(4,571,618)	\$	(870,784)
2017 Unspent and Uncommitted Funds for 2022 Offset	\$ (42,769)	84%	16%	\$	(35,926)	\$	(6,843)
2016 Unspent and Uncommitted Funds for 2022 Offset	\$ (104,615)	82%	18%	\$	(85,784)	\$	(18,831)
CPUC EM&V 2016 Unspent and Uncommitted Funds for 2022 Offset	\$ (11,723,301)	82%	18%	\$	(9,613,107)	\$	(2,110,194)
PG&E EM&V 2016 Unspent and Uncommitted Funds for 2022 Offset	\$ (3,949,526)	82%	18%	\$	(3,238,611)	\$	(710,915)
CPUC EM&V 2013-15 Unspent and Uncommitted Funds for 2022 Offset	\$ (4,246,520)	82%	18%	\$	(3,482,146)	\$	(764,374)
PG&E EM&V 2013-15 Unspent and Uncommitted Funds for 2022 Offset	\$ (1,698,003)	82%	18%	\$	(1,392,362)	\$	(305,641)
2013-15 Unspent and Uncommitted Funds for 2022 Offset	\$ (3,797,067)	82%	18%	\$	(3,113,595)	\$	(683,472)
PG&E Total Cost Recovery Budget	\$ 213,715,793			\$	175,313,229	\$	38,402,564

⁷⁶ Revenue Fees and Uncollectible Account Expenses (RF&U) are not included in this cost recovery budget but will be added to electric funding to determine the revenue requirement when recovered in rates through the Annual Electric True-up (AET). The PG&E EE Portfolio 2022 and 2023 cost recovery amounts include estimates for certain benefit burden and other overhead costs; the 2022 figure has been determined through the 2020 General Rate Case (GRC) D.20-12-005 while the final figure for 2023 may change depending on the amounts or methodology approved by the Commission as part of PG&E's 2023-2026 GRC.

- (a) The 2022 electric/gas split is forecasted to be 82%/18%. The 2021 electric/gas split of 83%/17% was approved by CPUC disposition to Advice 4303-G-A/5936-E-A. The 2020 electric/gas split of 70%/30% was approved by CPUC disposition to Advice 4207-G/5742-E. The 2019 electric/gas split of 76%/24% was approved via non-standard disposition of Advice 4011-G-B/5375-E-B. The electric/gas split applied for 2018 was based on the most recent split approved by CPUC disposition after the 2018 ABAL (which included the 2018 electric/gas split) was rejected via D.18-05-041. Thus, the electric/gas split applied for 2018 was the 2017 electric/gas split approved via disposition of Advice 3753-G-D/4901-E-D.
- (b) Fuel substitution measures will be offered as part of several programs; this figure is the sum of incentive and non-incentive budget attributed to fuel substitution measures in those programs. Per D.19-08-009 and the Energy Division's 5/13/2020 memo regarding fuel substitution in new construction programs, greenfield new construction electrification measures are not included in the fuel substitution budget. See Section III.G. of this advice letter for more information on fuel substitution programs and efforts.
- (c) These offset amounts are zero because, per D. 21-01-004, PG&E's 2020-2022 unspent and uncommitted funds are allocated to the Stimulus Program, as detailed in Sections K and L.

Cost Recovery Component	Total 2022 Cost Recovery Amount	Applicable Electric/Gas Split (a)		Electric Portion for 2022 Cost	Gas Portion for 2022 Cost
Component	Recovery Amount	Electric	Gas	Recovery	Recovery
BayREN 2022 EE Portfolio Budget (including 4%EM&V)	\$ 26,164,659	82%	18%	\$ 21,455,021	\$ 4,709,639
BayREN 2021 Estimated Unspent and Uncommitted Funds for 2022 Offset	\$-	83%	17%	\$	\$ -
BayREN 2020 Unspent and Uncommitted Funds for 2022 Offset	\$ (3,119,002)	70%	30%	\$ (2,183,301)	\$ (935,701)
BayREN 2019 Unspent and Uncommitted Funds for 2022 Offset	\$ (291,597)	76%	24%	\$ (221,614)	\$ (69,983)
BayREN Total ^(b)	\$ 22,754,060			\$ 19,050,106	\$ 3,703,955
MCE 2022 EE Portfolio Budget (including 4% EM&V)	\$ 14,704,132	82%	18%	\$ 12,057,388	\$ 2,646,744

Table 19b: 2022 Total Portfolio Cost Recovery for BayREN, MCE and 3C-REN⁷⁷

⁷⁷ The offset amounts for REN and CCA estimates of unspent/uncommitted 2021 funds are listed as zero because estimates are not used for cost recovery offset purposes. 2021 unspent/uncommitted funds will be used to offset cost recovery after final amounts are available.

MCE 2021 Estimated Unspent and Uncommitted Funds for 2022 Offset	\$	N/A	N/A	\$	\$ -
MCE 2020 Unspent and Uncommitted Funds for 2022 Offset	\$ (78,573)	70%	30%	\$ (55,001)	\$ (23,572)
MCE 2019 Unspent and Uncommitted Funds for 2022 Offset	\$ (236,608)	76%	24%	\$ (179,822)	\$ (56,786)
MCE Total ^(c)	\$ 14,388,951			\$ 11,822,565	\$ 2,566,386
3C-REN 2022 EE Portfolio Budget (including 4%EM&V)	\$ 4,411,503	82%	18%	\$ 3,617,433	\$ 794,071
3C-REN 2021 Estimated Unspent and Uncommitted Funds for 2022 Offset	\$	83%	17%	\$-	\$ -
3C-REN 2020 Unspent and Uncommitted Funds for 2022 Offset	\$ (1,624,346)	70%	30%	\$ (1,137,042)	\$ (487,304)
3C-REN 2019 Unspent and Uncommitted Funds for 2022 Offset	\$ (2,074,792)	76%	24%	\$ (1,576,842)	\$ (497,950)
3C-REN Total ^(d)	\$ 712,365			\$ 903,549	\$ (191,183)
REN/CCA Total Cost Recovery Budget	\$ 37,855,377			\$ 31,776,219	\$ 6,079,158

- (a) The 2022 electric/gas split is forecasted to be 82%/18%. The 2021 electric/gas split of 83%/17% was approved by CPUC disposition to Advice 4303-G-A/5936-E-A. The 2020 electric/gas split of 70%/30% was approved by CPUC disposition to Advice 4207-G/5742-E. The 2019 electric/gas split of 76%/24% was approved via non-standard disposition of Advice 4011-G-B/5375-E-B. The electric/gas split applied for 2018 was based on the most recent split approved by CPUC disposition after the 2018 ABAL (which included the 2018 electric/gas split) was rejected via D.18-05-041. Thus, the electric/gas split applied for 2018 was the 2017 electric/gas split approved via disposition of Advice 3753-G-D/4901-E-D.
- (b) BayREN budget total and 2020-2021 unspent/uncommitted amounts are based on BayREN emails on 10/26/21, 11/2/2021 and 11/4/2021.
- (c) MCE budget total and 2019-2021 unspent/uncommitted amounts taken from MCE's draft 2022-2023 ABAL forecast emailed on 9/15/2021 and confirmed on 10/15/2021.
- (d) The 3C-REN total budget was provided by 3C-REN in 10/28/2021 email, and the 2019-2021 Unspent and Uncommitted Funds for 2022 offset were provided via email by SCG as the lead IOU fiscal agent for 3C-REN on 11/2/2021.

Cost Recovery	Total 2023 Cost	Applicable Electric/Gas Split ^(a)		Electric Portion for 2023 Cost	Gas Portion for 2023 Cost	
Component	Recovery Amount	Electric	Gas	Recovery	Recovery	
PG&E 2023 EE Portfolio Budget (Less Fuel Substitution Budget)	\$ 271,769,432	80%	20%	\$ 217,415,546	\$ 54,353,886	
PG&E 2023 Budget Forecasted to Support Fuel Substitution ^(b)	\$ 2,874,296	100%	0%	\$ 2,874,296	\$ -	
PG&E Total Cost Recovery Budget	\$ 274,643,728	80%	20%	\$ 219,714,982	\$ 54,928,746	

Table 19c: 2023 Total Portfolio Cost Recovery Budget for PG&E⁷⁸

(a) The 2023 electric/gas split is forecasted to be 80%/20%.

(b) Fuel substitution measures will be offered as part of several programs; this figure is the sum of incentive and non-incentive budget attributed to fuel substitution measures in those programs. Per D.19-08-009 and the Energy Division's 5/13/2020 memo regarding fuel substitution in new construction programs, greenfield new construction electrification measures are not included in the fuel substitution budget. See Section III.G. of this advice letter for more information on fuel substitution programs and efforts.

Table 19d: 2023 Total Portfolio Cost Recovery for BayREN, MCE and 3C-REN

Cost Recovery	Total 2023 Cost	Applicable Electric/Gas Split ^(a)		Electric/Gas		Electric/Gas		Electric Portion for 2023 Cost	Gas Portion for 2023 Cost
Component	Recovery Amount	Electric	Gas	Recovery	Recovery				
BayREN 2023 EE Portfolio Budget (including 4% EM&V)	\$ 26,682,993	80%	20%	\$ 21,346,394	\$ 5,336,599				
BayREN Total	\$ 26,682,993			\$ 21,346,394	\$ 5,336,599				
MCE 2023 EE Portfolio Budget (including 4% EM&V)	\$ 15,362,756	80%	20%	\$ 12,290,205	\$ 3,072,551				

⁷⁸ Revenue Fees and Uncollectible Account Expenses (RF&U) are not included in this cost recovery budget but will be added to electric funding to determine the revenue requirement when recovered in rates through the Annual Electric True-up (AET). The PG&E EE Portfolio 2022 and 2023 cost recovery amounts include estimates for certain benefit burden and other overhead costs; the final figure for 2023 may change depending on the amounts or methodology approved by the Commission as part of PG&E's 2023-2026 General Rate Case (GRC).

MCE Total	\$ 15,362,756			\$ 12,290,205	\$ 3,072,551
3C-REN 2023 EE Portfolio Budget (including 4% EM&V)	\$ 5,782,675	80%	20%	\$ 4,626,140	\$ 1,156,535
3C-REN Total	\$ 5,782,675			\$ 4,626,140	\$ 1,156,535
REN/CCA Total Cost Recovery Budget	\$ 47,828,424			\$ 38,262,739	\$ 9,565,685

(a) The 2023 electric/gas split is forecasted to be 80%/20%.

(b) BayREN budget total provided by BayREN via email on 10/26/2021.

(c) MCE budget total provided by MCE via email on 9/15/2021 and confirmed on 10/15/2021.

(d) The 3C-REN total budget was provided by 3C-REN in 10/28/2021 email and confirmed by SCG as the lead IOU fiscal agent for 3C-REN on 11/2/2021.

Cost recovery requests in this BBAL reflect budget needs of EE PAs authorized by the Commission as of October 31, 2021, except where those budget needs have already been addressed (e.g., RCEA and SJCE). If the Commission authorizes additional EE PAs, or EE PA budget that is different from what is shown in Tables 19b and 19d, after October 31, 2021, PG&E can work with Commission staff to determine the correct Advice Letter or other regulatory process by which PG&E can request Commission approval to incorporate those cost recovery needs into rates.

Total Cost Recovery

Tables 20a and 20b present the total cost recovery requests needed to fund the authorized EE portfolio administrators (PG&E, BayREN, MCE, and 3C-REN), and the CEC's School Stimulus Program in 2022 and 2023, respectively. These PA cost recovery requests reflect the total requested budgets of these PAs, after offset by unspent and uncommitted amounts not ordered in D. 21-01-004 to be committed to the Stimulus Program. The Schools Stimulus Program recovery requests reflect the budgets ordered in D. 21-01-004.

Table 20a – 2022 Total Cost Recovery Request – EE PAs and CEC Schools Stimulus	
Program	

	Total 2022 Cost	Applicable Elec	ctric/Gas Split ^(a)	
	Recovery Amount	Electric (82%)	Gas (18%)	
PG&E (Portfolio and 4% EM&V)	\$213,715,793	\$175,313,229	\$38,402,564	
CEC (School Stimulus Program)	\$80,908,048	\$66,344,599	\$14,563,449	
BayREN (Portfolio and 4% EM&V)	\$22,754,060	\$19,050,106	\$3,703,955	
MCE (Portfolio and 4% EM&V)	\$14,388,951	\$11,822,565	\$2,566,386	
3C-REN (Portfolio and 4% EM&V)	\$712,365	\$903,549	(\$191,183)	
Total Cost Recovery Request	\$332,479,218	\$273,434,048	\$59,045,170	

(a) The 2022 electric/gas split is forecasted to be 82%/18%.

	Total 2023 Cost	Applicable Electric/Gas Split ^(a)				
	Recovery Amount	Electric (80%)	Gas (20%)			
PG&E (Portfolio and 4% EM&V)	\$274,643,728	\$219,714,982	\$54,928,746			
CEC (School Stimulus Program)	\$69,349,755	\$55,479,804	\$13,869,951			
BayREN (Portfolio and 4% EM&V)	\$26,682,993	\$21,346,394	\$5,336,599			
MCE (Portfolio and 4% EM&V)	\$15,362,756	\$12,290,205	\$3,072,551			
3C-REN (Portfolio and 4% EM&V)	\$5,782,675	\$4,626,140	\$1,156,535			
Total Cost Recovery Request	\$391,821,907	\$313,457,525	\$78,364,381			

Table 20b – 2023 Total Cost Recovery Request – EE PAs and CEC Schools Stimulus Program

(a) The 2023 electric/gas split is forecasted to be 80%/20%.

In compliance with D. 14-10-046, PG&E will offset MCE's unspent funds against payments to be made to MCE under its authorized 2022 and 2023 electric EE portfolio budget. Following D. 19-12-021, and per the PG&E and BayREN/ABAG 2020-2022 contract, PG&E will offset year-end unspent amounts identified in BayREN's Budget Advice Letter from the following year payments to BayREN/ABAG based on their approved Budget Advice Letter portfolio budget.

M. Integrated Demand-Side Management (IDSM) Budget

D.18-05-041 directs each IOU PA to set aside a minimum of \$1 million for the residential sector and a load-share-proportional fraction of \$20 million for the commercial sector from each IOU PA's IDSM budget for testing and deployment of integration strategies.⁷⁹ In consultation and agreement with the IOUs, PG&E budgets \$8 million of the required \$20 million for the commercial sector. With an additional \$1 million of IDSM budget for the residential sector, PG&E's budget for IDSM activities totals \$9 million.

Table 21: Demand Resp	onse IDSM Funding Reques	st in 2022 and 2023 Rates

Category	2022 PG&E Electric Demand Response Funds	2023 PG&E Electric Demand Response Funds		
Energy Efficiency	\$1,000,000	\$1,000,000		
Demand Response	\$8,000,000	\$8,000,000		
Total PG&E	\$9,000,000	\$9,000,000		

Regarding IDSM funding, RF&U is not included in this table but will be added to electric funding to determine the revenue requirement when recovered in rates through the AET.

Of PG&E's \$9 million annual IDSM budget, in both 2022 and 2023, \$1 million will be allocated to the EE portion of the IDSM budget, and \$8 million will be allocated to the

⁷⁹ D. 18-05-041, OP 10.

Demand Response portion of the IDSM budget. The \$1 million EE portion of the budget is embedded within the residential and ET sector budgets shown in Table 1. The \$8 million IDSM budget related to Demand Response will continued to be tracked in the Demand Response Expense Balancing Accounting and recovered via the Distribution Revenue Adjustment Mechanism.

N. Metrics

Pursuant to D.18-05-041, PG&E reported on sector-level metrics and their associated targets for program years 2017, 2018, 2019 and 2020 as part of the 2017, 2018, 2019, and 2020 EE Annual Report filings filed on May 1, 2018, May 1, 2019, May 1, 2020, and May 1, 2021, respectively. The latter can be found in spreadsheet form on the CPUC's CEDARS website⁸⁰.

Pursuant to D. 21-05-031, metrics and criteria for market support and equity programs are currently under development and will be included in future filings.

Protests

Due to the COVID-19 pandemic, PG&E is currently unable to receive protests or comments to this advice letter via U.S. mail or fax. Please submit protests or comments to this advice letter to EDTariffUnit@cpuc.ca.gov and PGETariffs@pge.com

Pursuant to CPUC General Order 96-B, Section 7.5.1, PG&E hereby requests the protest period be shortened to five (5) calendar days.

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or Email, no later than **January 12, 2022**, which is 5 days after the date of this filing. Protests must be submitted to:

> CPUC Energy Division ED Tariff Unit 505 Van Ness Avenue, 4th Floor San Francisco, California, 94102

Facsimile: (415) 703-2200 E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

⁸⁰ Documents - CEDARS (sound-data.com)

The protest shall also be sent to PG&E either via e-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Sidney Bob Dietz II Director, Regulatory Relations c/o Megan Lawson Pacific Gas and Electric Company 77 Beale Street, Mail Code B13U P.O. Box 770000 San Francisco, California, 94177

Facsimile: (415) 973-3582 E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that the Commission approve its 2022 and 2023 spending budgets of \$247,653,027 and \$274,643,728, respectively, and approve its 2022 and 2023 cost recovery budgets of \$332,479,218 and \$391,821,907, respectively, effective January 1, 2022. PG&E additionally requests that the Commission approve the forecasted 2022 electric/gas split 82%/18% associated with its 2022 EE program forecast for non-fuel-substitution cost recovery budget allocations effective **January 1, 2022**.

<u>Notice</u>

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service lists for **R.13-11-005** and **A.17-01-013 et al**. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: http://www.pge.com/tariffs/.

/S/ Sidney Bob Dietz II ____ Director, Regulatory Relations

Attachments:

Attachment A – Appendices Attachment B – Supplemental Budget Tables Attachment C – California Energy Data and Reporting System (CEDARS) Filing Confirmation

Peter Franzese, Energy Division CC: Service List R.13-11-005 Service List A.17-01-013 et al.

California Public Utilities Commission

ADVICE LETTER SUMMARY



MUST BE COMPLETED BY UT	ILITY (Attach additional pages as needed)
Company name/CPUC Utility No.: Pacific Gas and	nd Electric Company (U 39 M)
Utility type: ELC GAS WATER PLC HEAT	Contact Person: Stuart Rubio Phone #: (415) 973-4587 E-mail: PGETariffs@pge.com E-mail Disposition Notice to: SHR8@pge.com
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas WATER = Water PLC = Pipeline HEAT = Heat	(Date Submitted / Received Stamp by CPUC)
Advice Letter (AL) #: 4521-G-A/6385-E-A	Tier Designation: 2
Subject of AL: Supplemental: PG&E's 2022-2023 I Decisions 15-10-028, 18-05-041, and Keywords (choose from CPUC listing): Complian	
AL Type: Monthly Quarterly Annu	al 🗌 One-Time 🖌 Other: Biennial
If AL submitted in compliance with a Commissi D.15-10-028, D.18-05-041, and D.21-05-031	on order, indicate relevant Decision/Resolution #:
Does AL replace a withdrawn or rejected AL?	f so, identify the prior AL: $_{ m No}$
Summarize differences between the AL and th	e prior withdrawn or rejected AL: $\mathrm{N/A}$
Confidential treatment requested? Yes	V No
	nation: vailable to appropriate parties who execute a ontact information to request nondisclosure agreement/
Resolution required? 🗌 Yes 🔽 No	
Requested effective date: 1/1/22	No. of tariff sheets: $_0$
Estimated system annual revenue effect (%): N	J/A
Estimated system average rate effect (%): N/A	Α
When rates are affected by AL, include attach (residential, small commercial, large C/I, agrice	nment in AL showing average rate effects on customer classes ultural, lighting).
Tariff schedules affected: $_{ m N/A}$	
Service affected and changes proposed $^{1:}$ $_{ m N/I}$	A
Pending advice letters that revise the same tai	riff sheets: N/A

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division Attention: Tariff Unit 505 Van Ness Avenue San Francisco, CA 94102 Email: <u>EDTariffUnit@cpuc.ca.gov</u>	Name: Sidney Bob Dietz II, c/o Megan Lawson Title: Director, Regulatory Relations Utility Name: Pacific Gas and Electric Company Address: 77 Beale Street, Mail Code B13U City: San Francisco, CA 94177 State: California Zip: 94177 Telephone (xxx) xxx-xxxx: (415)973-2093 Facsimile (xxx) xxx-xxxx: (415)973-3582 Email: PGETariffs@pge.com
	Name: Title: Utility Name: Address: City: State: District of Columbia Zip: Telephone (xxx) xxx-xxxx: Facsimile (xxx) xxx-xxxx: Email:

PG&E 2022-2023 BBAL Attachment A Appendix Tables

All Attachment A Appendix Tables are downloadable on PG&E's 2022-2023 Budget Filing dashboard on CEDARS.

Appendix Table	Content
Table 1	Bill Payer Impacts
Table 2	Rates Rev
Table 3	Funding Source
Table 4	Program Budget
Table 4.1	Program Changes
Table 5	Commitments
Table 6	Statewide Programs
Table 7	PA PY Budget Savings
Table 8	Cap and Target
Table 9	Portfolio Summary
Table 10	Portfolio FTE
Table 11	Residential
Table 12	Commercial
Table 13	Industrial
Table 14	Agricultural
Table 15	Public Sector
Table 16	Cross Cutting
Table 17	BP Metrics

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 (This Table applies only to the IOU PAs)

Table 1 -Bill Payer Impacts - Rates by Customer Class											
	Electric System Average		Ga	as Bundled Average		Total Average	٦	Total Average			
	Bundled	Rate (Res and Non-		Residential Rate	Ann	ual Bill Savings by	Life	cycle Bill Savings			
	F	Res) \$/kwh		\$/therm		Year (\$)		(\$)			
Present Rates - System Average											
2021*	\$	0.23251	\$	1.817	\$	369,610,134	\$	4,163,284,822			
2022	\$	0.23231	\$	1.813	\$	448,918,317	\$	5,338,488,218			
2023	\$	0.23283	\$	1.817	\$	477,449,577	\$	5,785,421,629			

* Based on Electric rates effective as of August 1, 2021, and Gas rates effective as of June 1, 2021. 2022 and 2023 rates are based on 2021 present rates with the

respective year's EE incremental impact.

Total Average Lifecycle Bill Savings (\$)

Total Average Annual Bill Savings by Year (\$) Electric Average Rate (Res and Non-Res) \$/kwh * Total First Year Electric Net Savings KWH + Gas Average Rate(Res and Non-Res) \$/therm * Total First Year Gas Net Savings Therm Electric Average Rate (Res and Non-Res) \$/kwh * Total Lifecycle Electric Net Savings KWH + Gas Average Rate (Res and Non-Res) \$/therm * Total Lifecycle Gas Net Savings Therm

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023

(This Table applies only to the IOU PAs)

Table 2a - Electric Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	2021 Proposed Energy Efficiency Electric Annual Revenue Change \$000	2021 Proposed Percentage Change In Electric Revenue and Rates	2021 Electric Average Rate \$/kWh	2021 Energy Efficiency Portion of Electric Average Rate \$/kWh	2022 Proposed Energy Efficiency Electric Annual Revenue Change \$000	2022 Proposed Percentage Change In Electric Revenue and Rates	2022 Electric Average Rate \$/kWh	2022 Energy Efficiency Portion of Electric Average Rate \$/kWh	2023 Proposed Energy Efficiency Electric Annual Revenue Change \$000	2023 Proposed Percentage Change In Electric Revenue and Rates	2023 Electric Average Rate \$/kWh	2023 Energy Efficiency Portion of Electric Average Rate \$/kWh
Bundled ¹												
Residential	\$59,129	1.85%	\$0.24727	\$0.00450	(\$4,533)	-0.14%	\$0.24692	\$0.00415	\$7,992	0.25%	\$0.24753	\$0.00476
Commercial - Small	\$12,300	1.82%	\$0.27493	\$0.00493	(\$943)	-0.14%	\$0.27455	\$0.00455	\$1,662	0.24%	\$0.27521	\$0.00521
Commercial - Medium	\$9,956	1.68%	\$0.24268	\$0.00401	(\$763)	-0.13%	\$0.24237	\$0.00370	\$1,346	0.22%	\$0.24291	\$0.00424
Commercial - Large	\$12,055	1.71%	\$0.20915	\$0.00352	(\$924)	-0.13%	\$0.20888	\$0.00325	\$1,629	0.23%	\$0.20935	\$0.00372
Standby	\$1,064	2.54%	\$0.13088	\$0.00324	(\$82)	-0.19%	\$0.13063	\$0.00299	\$144	0.34%	\$0.13107	\$0.00343
Agricultural	\$16,997	1.39%	\$0.25079	\$0.00344	(\$1,303)	-0.11%	\$0.25053	\$0.00318	\$2,297	0.19%	\$0.25100	\$0.00365
Industrial	\$10,097	1.53%	\$0.15945	\$0.00240	(\$774)	-0.12%	\$0.15927	\$0.00222	\$1,365	0.20%	\$0.15959	\$0.00254
Direct Access Service ²												
Residential	\$66,846	2.30%	\$0.19991	\$0.00450	(\$5,124)	-0.17%	\$0.19956	\$0.00415	\$9,034	0.30%	\$0.20017	\$0.00476
Commercial - Small	\$23,186	2.47%	\$0.20453	\$0.00493	(\$1,777)	-0.18%	\$0.20415	\$0.00455	\$3,134	0.33%	\$0.20481	\$0.00521
Commercial - Medium	\$20,280	2.44%	\$0.16851	\$0.00401	(\$1,555)	-0.18%	\$0.16820	\$0.00370	\$2,741	0.32%	\$0.16874	\$0.00424
Commercial - Large	\$33,596	2.76%	\$0.13080	\$0.00352	(\$2,575)	-0.21%	\$0.13053	\$0.00325	\$4,541	0.36%	\$0.13100	\$0.00372
Streetlights	\$732	2.43%	\$0.20299	\$0.00482	(\$56)	-0.18%	\$0.20262	\$0.00445	\$99	0.32%	\$0.20327	\$0.00510
Standby	\$158	2.32%	\$0.14278	\$0.00324	(\$12)	-0.17%	\$0.14253	\$0.00299	\$21	0.31%	\$0.14297	\$0.00343
Agricultural	\$3,737		\$0.17051	\$0.00344	(\$286)	-0.15%	\$0.17025	\$0.00318	\$505	0.27%	\$0.17072	\$0.00365
Industrial	\$24,624		\$0.08515	\$0.00245	(\$1,888)	-0.22%	\$0.08497	\$0.00227	\$3,328	0.50%	\$0.08530	\$0.00260
Departed Load	\$6,929	22.82%			(\$3,044)	-8.16%			\$569	1.66%		

Table 2b - Gas Bill Payer Impacts - Current and Proposed Revenues and Rates, Total and Energy Efficiency, by Customer Class

Customer Classes	2021 Proposed Energy Efficiency Gas Annual Revenue Change \$000	2021 Proposed Percentage Change In Gas Revenue and Rates	2021 Gas Average Rate \$/therm	2021 Energy Efficiency Portion of Gas Average Rate \$/therm		2022 Proposed Percentage Change In Gas Revenue and Rates	2022 Gas Average Rate \$/therm	2022 Energy Efficiency Portion of Gas Average Rate \$/therm		2023 Proposed Percentage Change In Gas Revenue and Rates	2023 Gas Average Rate \$/therm	2023 Energy Efficiency Portion of Gas Average Rate \$/therm
Core Retail Bundled												
Residential - Non-CARE	\$18,131	0.90%	\$1.817	\$0.015	(\$4,989)	-0.30%	\$1.813	\$0.011	\$4,300	0.20%	\$1.817	\$0.015
Residential - CARE	\$6,482	0.90%	\$1.425	\$0.015	(\$1,783)	-0.30%	\$1.421	\$0.011	\$1,537	0.20%	\$1.424	\$0.015
Commercial - Small	\$15,387	2.60%	\$1.311	\$0.035	(\$4,234)	-0.70%	\$1.302	\$0.025	\$3,649	0.60%	\$1.310	\$0.034
Commercial - Large	\$845	2.50%	\$0.935	\$0.023	(\$232)	-0.70%	\$0.929	\$0.017	\$200	0.60%	\$0.934	\$0.022
Commercial - Natural Gas Vehicle												
Core Retail - Transportation Only												
Residential - Non-CARE	\$2,175	1.20%	\$1.441	\$0.015	(\$598)	-0.30%	\$1.437	\$0.011	\$516	0.30%	\$1.440	\$0.015
Residential - CARE	\$778	1.20%	\$1.048	\$0.015	(\$214)	-0.30%	\$1.044	\$0.011	\$184	0.30%	\$1.048	\$0.015
Commercial - Small	11380	3.70%	\$0.955	\$0.035	(\$3,131)	-1.00%	\$0.946	\$0.025	\$2,699	0.90%	\$0.954	\$0.034
Commercial - Large	\$735	3.90%	\$0.616	\$0.023	(\$202)	-1.00%	\$0.610	\$0.017	\$174	0.90%	\$0.616	\$0.022
Commercial - Natural Gas Vehicle												
Noncore- Transportation Only												
Industrial - Distribution	\$8,814	7.20%	\$0.520	\$0.035	(\$2,425)	-1.90%	\$0.511	\$0.025	\$2,090	1.60%	\$0.519	\$0.034
Industrial - Transmission	\$16,563	5.00%	\$0.269	\$0.010	(\$4,557)	-1.30%	\$0.266	\$0.008	\$3,928	1.10%	\$0.268	\$0.010
Industrial - Backbone	\$168	13.00%	\$0.150	\$0.010	(\$46)	-3.20%	\$0.147	\$0.008	\$40	2.80%	\$0.150	\$0.010
Electric Generation												
Natural Gas Vehicle												
Wholesale												
Unbundled Backbone and Storage												
Total Annual Revenue Requirement	\$81,458	1.70%			(\$22,413)	-0.50%			\$19,319	0.40%		

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023

Table 3 - Budget and Cost Recovery by Funding Source

Table 3a - PA Spending Budget Request by Funding Source

PA EE Programs and EM&V	2022	2023
Annual PA Spending Budget Request (Program and EM&V total)	\$ 247,653,027	\$ 274,643,728
CEC AB 841 Program Budget Request		
Applicable percentage of difference between funding limitation and 2020 budget ¹	\$ 80,908,048	\$ 69,349,755
Plus 2020 and Beyond Uncommitted and Unspent Carryover Balance	\$ -	\$ -
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 328,561,075	\$ 343,993,483

1 Applicable percentage is 70% for 2022 and 60% for 2023.

Table 3b - Budget by Funding Source

Portfolio Budget (Before Carryover)	2022 Budget	2022 %Allocation	2023 Budget	2023 %Allocation
Electric Procurement EE Funds	\$ 269,420,082	82%	\$ 275,194,786	80%
Gas PPP Surcharge Funds	\$ 59,140,994	18%	\$ 68,798,697	20%
Total Funds	\$ 328,561,075		\$ 343,993,483	

Table 3c - Revenue Requirement for Cost Recovery by Funding Source

			2022 %Allocation			2023 %Allocation
	20	022 Revenue	after Carryover	2	023 Revenue	after Carryover
Authorized Funding in Rates (including Unspent/Uncommitted Funds)	Re	equirement	adjustment	1	Requirement	adjustment
Electric Procurement EE Funds	\$	241,657,829	82%	\$	275,194,786	80%
Gas PPP Surcharge Funds	\$	52,966,013	18%	\$	68,798,697	20%
Total Funds	\$	294,623,842		\$	343,993,483	

Table 3d - Unspent/Uncommitted Carryover Funds (in positive \$ amounts)

		2022			2023	
Program Unspent/Uncommitted Funds	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 10,036,027	\$ 2,283,858	\$ 12,319,884	\$ -	\$ -	\$ -
2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022				\$ -	\$ -	\$ -
Total	\$ 10,036,027	\$ 2,283,858	\$ 12,319,884	\$ -	\$ -	\$ -

		2022			2023	
EM&V Unspent/Uncommitted Funds	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 17,726,227	\$ 3,891,123	\$ 21,617,350	\$ -	\$ -	\$ -
2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022				\$ -	\$ -	\$ -
Total	\$ 17,726,227	\$ 3,891,123	\$ 21,617,350	\$ -	\$ -	\$ -

			2022				2023		
Total Unspent/Uncommitted Funds	Electric		Gas	Total	Electric		Gas	Total	
Pre-2020	\$ 27,762,	53 \$	6,174,981	\$ 33,937,234	\$	-	\$-	\$	-
2020	\$	- \$	-	\$ -	\$	-	\$-	\$	-
2021	\$	- \$	-	\$ -	\$	-	\$-	\$	-
2022					\$	-	\$-	\$	-
Total	\$ 27,762,	253 \$	6,174,981	\$ 33,937,234	\$	-	\$-	\$	-

Table 3 - Budget and Cost Recovery by Funding Source

Table 3e - Total Requested Revenue Recovery 2022-2023 Portfolio - Demand

Response & Energy Efficiency 1,2,3

			20	22			2	023	
						Demand			
	Demand Re	lesponse		Energy Efficiency		Response		Energy Efficiency	
						Electric			
						Demand		Natural Gas	
	Electric D	Demand	Electric Energy	Natural Gas Public	Total Energy	Response	Electric Energy	Public Purpose	Total Energy
	Response	e Funds	Efficiency Funds	Purpose Funds	Efficiency Funds	Funds	Efficiency Funds	Funds	Efficiency Funds
Program Funds - PG&E ⁴	\$ 8,0	,000,000	\$ 167,190,210	\$ 36,619,462	\$ 203,809,673	\$ 8,000,000	\$ 210,926,383	\$ 52,731,596	\$ 263,657,979
School Stimulus Program Funds - CEC		Ś	\$ 66,344,599	\$ 14,563,449	\$ 80,908,048		\$ 55,479,804	\$ 13,869,951	\$ 69,349,755
Program and EM&V Funds - REN ⁵		Ś	\$ 19,953,654	\$ 3,512,771	\$ 23,466,425		\$ 25,972,534	\$ 6,493,134	\$ 32,465,668
Program and EM&V Funds - CCA ⁵		Ś	\$ 11,822,565	\$ 2,566,386	\$ 14,388,951		\$ 12,290,205	\$ 3,072,551	\$ 15,362,756
PG&E 4% EM&V 6		Ś	\$ 8,123,019	\$ 1,783,102	\$ 9,906,121		\$ 8,788,599	\$ 2,197,150	\$ 10,985,749
Reve	nue Recovery Budget Total \$ 8,0	.000,000 \$	\$ 273,434,048	\$ 59,045,170	\$ 332,479,218	\$ 8,000,000	\$ 313,457,525	\$ 78,364,381	\$ 391,821,907

Notes:

1 Recovery request reflects total budget offset by reductions from past unspent funds, and is consistent with funding approved in D. 09-09-047, D. 12-11-015,

D.14-10-046 and D.15-10-028, D.18-05-041 and D.21-01-004.

2 REN and CCA information provided by BayREN, MCE and 3C-REN/SCG as the lead IOU fiscal agent on behalf of 3C-REN.

3 The PG&E, REN and CCA 2022 Electric and Gas funds cells in this table had to be manually populated because the formulas were applying the 2022 split of 82/18 which is not the correct split to apply to calculations involving the unspent/uncommitted carryover amounts from previous program years, each of which has a specific electric/gas split. Tables 19a-d in PG&E's main BBAL document lay out the cost recovery calculations and the specific electric/gas split for each carryover amount.

4 Program Funds represents the total PG&E program portfolio budget minus any relevant unspent/uncommitted funds that offset the recovery request

5 These are total REN and CCA revenue request amounts and equal the relevant PA program plus 4% EM&V budgets minus any of that REN's/CCA's unspent/uncommitted carryover amounts.

6 This is total EM&V for PG&E's portfolio, i.e. 4%; this amount incudes PG&E's and the CPUC's EM&V portions.

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 Table 4.1–2022- 2023 Program Changes

	Programs to be closed with the disposition of 2022-2023 BBAL			Programs with enhanced budgets (>40% budget in	ncrease)									
Program ID	PA Justification	Third Party Implementer or Core	Statewide or Local	Programs to be Closed with the Disposition of 2022-2023 ABAL	% change	2020 Claimed TRC	2021 (Q2) Claimed TRC	2022 Filed TRC	2023 Filed TRC	2021 Budget	2022 Budget 2023 Budge	Year Program Started (a)		For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2022- 2023 ABAL planning and timing for new 3P contracts' ramp up
PGE210210	Incoming 3P program will serve these customers	Third-Party	Local	Industrial Recommissioning Program	n/a	0.95	0.00	n/a	n/a	\$ 1,487,409	\$0 \$	2013	12/31/2021	n/a
PGE21027	Incoming 3P program will serve these customers	Third-Party	Local	Heavy Industry Energy Efficiency Program	n/a	0.86	0.13	n/a	n/a	\$ 2,730,552	\$0 \$	2013	12/31/2021	n/a
PGE210143	Incoming 3P program will serve these customers	Third-Party	Local	Hospitality Program	n/a	0.66	3.81	n/a	n/a	\$ 3,024,456	\$0 \$	2017	12/31/2021	n/a
PGE_Res_002c ^(b)	Being replaced by incoming 3P program PGE_Res_002d	Third-Party	Local	Residential Energy Advisor - Home Energy Reports	n/a	n/a	1.37	n/a	n/a	\$ 8,459,626	\$0 \$	2013	12/31/2021	n/a
PGE_Res_001d ^(c)	Vendor is ceasing to offer progam	Third-Party	Local	Pay for Performance - Home Energy Optimization	n/a	n/a	0.00	n/a	n/a	\$ 2,687,371	\$0 \$	2018	12/31/2021	n/a
PGE21072	Incoming SW 3P Program will serve these customers	Core	Statewide	Connections	n/a	0.00	0.00	n/a	n/a	\$ 620,112	\$0 \$	2013	12/31/2021	n/a
(a) 2013 is the earliest program sta	art year in this table because the majority of current Program IDs were introduced in 2013. Some	programs may have been p	resent prior to 2013	under a different (or possibly the same) program ID.										

(b) PGE_Res_002a, PGE_Res_002b, and PGE_Res_002c are program IDs for the Residential Energy Advisor program activities that were previously forecasted and reported through 2020 under Program ID PGE21001

(c) PGE_Res_001a, PGE_Res_001a, PGE_Res_001c, and PGE_Res_001d are Program IDs for the four Pay for Performance implementers of the Pay for Performance program activities that were previously forecasted and reported through 2020 under Program IDs PGE10010.

Programs to be closed upon completion of commitments

Program ID	PA Justification	Third Party Implementer or Core	Statewide or Local	Programs to be Closed with the Disposition of 2022-2023 ABAL	% change	2020 Claimed TRC	2021 (Q2) Claimed TRC	2022 Filed TRC	2023 Filed TRC	2021 Budget	2022 Budget 2023 Bud	Year Progra Started (a)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2022-2023 ABAL planning and new 3P contracting	For existing third party implemented programs,
PGE21005	Finishing existing pipeline and ramping down in anticipation of new statewide program overlap	Core	Local	Residential New Construction	-64%	0.17	0.32	0.34	n/a	\$ 3,941,698	\$ 1,405,484 \$	- 2013	12/31/2022	n/a
PGE21007	Finishing existing pipeline and ramping down in anticipation of new statewide program overlap	Core	Local	California New Homes Multifamily	-30%	0.25	0.34	0.27	n/a	\$ 2,515,018	\$ 1,761,564 \$	- 2013	1/1/2023	n/a
PGE21062	Extended into 2022 to gap-fill for incoming third-party programs	Core	Local	Technology Assessments	24%	0.00	0.00	0.00	n/a	\$ 1,462,258	\$ 1,819,090 \$	- 2013	n/a	6/30/2022
PGE21063	Extended into 2022 to gap-fill for incoming third-party programs	Core	Local	Technology Introduction Support	-68%	0.00	0.00	0.00	n/a	\$ 3,327,076	\$ 1,055,137 \$	- 2013	n/a	6/30/2022
PGE2110051	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap	Third-Party	Local	Local Government Energy Action Resources (LGEAR)	-40%	0.44	0.50	0.51	n/a	\$ 3,041,724	\$ 1,813,589 \$	- 2013	n/a	TBD/2022
PGE2110011	Extended into 2022 to gap-fill for incoming third-party programs	Core	Statewide	California Community Colleges	-70%	0.11	0.43	0.12	0.20	\$ 1,221,073	\$ 360,934 \$ 73	325 2013	n/a	TBD/2022
PGE2110012	Extended into 2022 to gap-fill for incoming third-party programs	Core	Statewide	University of California/California State University	-51%	0.52	0.39	0.29	0.31	\$ 1,862,921	\$ 920,776 \$ 139	2013	n/a	TBD/2022
PGE_Res_001a ^(c)	Extended into 2022 to gap-fill for incoming third-party programs	Third-Party	Local	Pay for Performance - Comfortable Home Rebates	7%	n/a	0.13	0.29	n/a	\$ 3,472,921	\$ 3,723,550 \$	- 2016	n/a	TBD/2022
PGE211025	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications	Core	Local	Savings By Design (SBD)	-63%	0.17	0.33	0.49	0.39	\$ 1,287,816	\$ 471,581 \$ 602	362 2013	n/a	n/a
PGE2110013	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap	Core	Local	State of California	-79%	0.00	0.00	2.18	0.84	\$ 619,000	\$ 130,465 \$ 121	2013	12/31/2021	n/a
PGE2110014	Finishing existing pipeline and ramping down in anticipation of new third- party program overlap	Core	Local	Department of Corrections and Rehabilitation	-54%	0.69	0.00	0.93	0.83	\$ 798,914	\$ 369,451 \$ 203	246 2013	12/31/2021	n/a
PGE_Res_002b ^(d)	Program being extended into 2022 to ensure continuity in offerings until third-party program ramps up	Third-Party	Local	Residential Energy Advisor - Marketplace	-74%	n/a	0.00	0.00	n/a	\$ 1,486,202	\$ 387,482 \$	- 2013	12/31/2021	TBD/2022
PGE21002	Program being extended into 2022 to ensure continuity inofferings until Statewide Plug Load and Appliance Program ramps up	Core	Local	Residential Energy Efficiency	-14.49%	0.51	0.43	0.74	n/a	\$ 954,279	\$ 816,021 \$	- 2013	N/A	TBD/2022

(a) 2013 is the earliest program start year in this table because the majority of current Program IDs were introduced in 2013. Some programs may have been present prior to 2013 under a different (or possibly the same) program ID.

(b) in some cases the contract end date is unknown at the month level, in which case months are marked "TBD". Contract extension dates for program budgets increasing or decreasing by 40% or more are marked as "n/a" because contracts will be in place at least through the end of 2022.

(c) PGE_Res_001a, PGE_Res_001b, PGE_Res_001c, and PGE_Res_001c are Program IDs for the four Pay for Performance implementers of the Pay for Performance program activities that were previously forecasted and reported through 2020 under Program ID PGE10010.

(d) PGE_Res_002a, RGE_Res_002b, and PGE_Res_002c are program IDs for the Residential Energy Advisor program activities that were previously forecasted and reported through 2020 under Program ID PGE21001

Programs with reduced budgets (>40% budget decrease), to continue in 2022 or 2023

,	Programs with reduced budgets (>40% budget decrease), to continue	C III EOLE OF LOED													
Program ID	PA justification (a)	Third party implementer or Core	Statewide	Programs with reduced budgets (>40% budget decrease)	% change	2020 Claimed TRC	2021 (Q2) Claimed TRC	2022 Filed TRC	2023 Filed TRC	2021 Budget	2022 Budget	2023 Budget	Year program started (a)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2022-2023 ABAL planning and new 3P contracting	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2022- 2023 ABAL planning and timing for new 3P contracts ramp up, or mark "NEW 3P" program if program is result of 3P solicitation process per D1801004 (b)
	Program is expected to operate into approximately mid-2022 and plans to ramp down in coordination with Marketplace Program ramp up	Third-Party	Local	Residential Energy Advisor - Marketplace	-74%	n/a	0.00	0.00	n/a	\$ 1,486,202	\$ 387,482	\$-	2013	n/a	n/a
	Ramping down due to overlap with new SW programs PGE_SW_NC_Res_electric and PGE_SW_NC_Res_mixed	Core	Local	Residential New Construction	-64%	0.17	0.32	0.34	n/a	\$ 3,941,698	\$ 1,405,484	\$-	2013	n/a	n/a
	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications.	Core	Local	Savings by Design (SBD)	-63%	0.17	0.33	0.49	0.39	\$ 1,287,816	\$ 471,581	\$ 602,862	2013	n/a	n/a
PGE21031	Ramping down to allow for third party program ramp up	Core	Local	Agricultural Calculated Incentives	-76%	0.82	0.58	0.66	1.40	\$ 5,332,820	\$ 1,280,584	\$ 972,782	2013	n/a	n/a
PGE21032	Ramping down to allow for third party program ramp up	Core	Local	Agricultural Deemed Incentives	-74%	0.80	0.29	0.32	0.34	\$ 2,505,449	\$ 661,953	\$ 682,486	2013	n/a	n/a
PGE2110011	Ramping down due to overlap with new SW program PGE_SW_IP_Colleges	Core	Local	California Community Colleges	-70%	0.11	0.43	0.12	0.20	\$ 1,221,073	\$ 360,934	\$ 73,325	2013	n/a	n/a
PGE2110012	Ramping down due to overlap with new SW program PGE_SW_IP_Colleges	Core	Local	University of California/California State University	-51%	0.52	0.39	0.29	0.31	\$ 1,862,921	\$ 920,776	\$ 139,928	2013	n/a	n/a
PGE2110051	Ramping down to allow for new local third-party program ramp up	Third-Party	Local	Local Government Energy Action Resources (LGEAR)	-40%	0.44	0.50	0.51	n/a	\$ 3,041,724	\$ 1,813,589	\$-	2013	n/a	n/a
PGE2110013	Ramping down due to overlap with new SW program PGE_SW_IP_Gov	Core	Local	State of California	-79%	0.00	0.00	2.18	0.84	\$ 619,000	\$ 130,465	\$ 121,041	2013	n/a	n/a
PGE2110014	Ramping down due to overlap with new SW program PGE_SW_IP_Gov	Core	Local	Department of Corrections and Rehabilitation	-54%	0.69	0.00	0.93	0.83	\$ 798,914	\$ 369,451	\$ 203,246	2013	n/a	n/a
PGE_SW_CSA_Appl	Budget reduction due to reduced CEC activity on Title 20 in 2022	Third-Party	Statewide	State Appliance Standards Advocacy	-51%	n/a	13.07	15.84	14.58	\$ 1,693,770	\$ 833,303	\$ 833,303	2020	n/a	n/a
PGE21063	Ramping down to allow for new local third-party program ramp up	Core	Local	Technology Introduction Support	-68%	0.00	0.00	0.00	n/a	\$ 3,327,076	\$ 1,055,137	\$ -	2013	n/a	n/a

(a) 2013 is the earliest program start year in this table because the majority of current Program IDs were introduced in 2013. Some programs may have been present prior to 2013 under a different (or possibly the same) program ID.

(b) in some cases the contract end date is unknown at the month level, in which case months are marked "TBD". Contract extension dates for program budgets increasing or decreasing by 40% or more are marked as "h/a" because contracts will be in place at least through the end of 2022.

(c) PGE_Res_002a, PGE_Res_002b, and PGE_Res_002c are program IDs for the Residential Energy Advisor program activities that were previously forecasted and reported through 2020 under Program ID PGE21001

Pa Name:	Pacific Gas and Electric Company
Budget Year:	2022-2023
Table 4.1- 2022- 20	23 Program Changes

Programs with enhanced budgets (>40% budget increase)

	Programs with enhanced budgets (>40% budget increase)														
Program ID	PA justification	Third party implementer or Core	Statewide	Programs with enhanced budgets (>40% budget increase)	% change	2020 Claimed TRC	2021 (Q2) Claimed TRC	2022 Filed TRC	2023 Filed TRC	2021 Budget	2022 Budget	2023 Budget	Year program started	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2022-2023 ABAL planning and new 3P contracting (b)	For existing third party implemented programs, MM/YP Program is extended to as a result of PY 2022. 2023 ABAL planning and timing for new 3P contracts ramp up, or mark "NEW 3P" program if program is result of 3P solicitation process per D1801004 (a)
PGE Res 001b ^(b)	Program budget increase reflects extended enrollment period and resulting in additional customer enrollment	Third-Party	Local	Pay for Performance - Home Intel	179%	n/a	0.25	0.12	0.12	\$ 665,053	\$ 1,856,039	\$ 1,906,631	2017	n/a	n/a
PGE Res 001c ^(b)	Program budget increase reflects extended enrollment period and resulting in additional customer enrollment	Third-Party	Local	Pay for Performance - Home Energy Rewards	119%	n/a	0.29	0.63	0.64	\$ 756,158	\$ 1,653,164	\$ 1,703,179	2017	n/a	n/a
PGE_SW_PLA	Ramp up activities for statewide third-party program budget set by lead PA	Third-Party	Statewide	Plug Load and Appliance	103%	n/a	0.00	0.86	1.14	\$ 3,306,000	\$ 6,719,162	\$ 6,959,307	2021		n/a
PGE_Com_001	This is a new local third-party program ramping up	Third-Party	Local	Grocery Comprehensive Retrofit and Commissioning	156%	0.00	0.00	1.64	1.52	\$ 919,475	\$ 2,356,445	\$ 2,371,780	2021	n/a	n/a
PGE_Com_002	This is a new local third-party program ramping up	Third-Party	Local	Smart Labs	98%	0.00	0.00	1.32	1.54	\$ 732,473	\$ 1,453,846	\$ 1,671,560	2021	n/a	n/a
PGE_SW_UL	Ramp up activities for new SW third-party program budget set by lead PA	Third-Party	Statewide	Lighting (Upstream)	83%	n/a	0.00	1.07	1.14	\$ 3,324,672	1	\$ 6,235,039	2021	n/a	n/a
PGE_Ag_001	This is a new local third-party program ramping up	Third-Party	Local	Agriculture Energy Savings Action Plan	108%	0.00	0.31	1.20	1.30	\$ 5,747,864	\$ 11,959,504	\$ 19,466,139	2021	n/a	n/a
PGE_Ind_001b (c)	Program budget increase reflects increased customer enrollment	Third-Party	Local	Industrial SEM - Manufacturing	65%	n/a	0.00	2.09	3.75	\$ 4,729,376			2018	n/a	n/a
PGE_Ind_002	This is a new local third-party program ramping up	Third-Party	Local	Business Energy Performance Program	52%	0.00	1.58	1.85	1.96	\$ 5,935,884	\$ 9,023,467	\$ 10,834,070	2021	n/a	n/a
PGE_Ind_003	This is a new local third-party program ramping up	Third-Party	Local	Industrial Systems Optimization Program	71%	0.00	0.03	1.38	1.53	\$ 4,715,582	\$ 8,068,441	\$ 6,541,649	2021	n/a	n/a
PGE_Pub_010	This is a new local third-party program ramping up	Third-Party	Local	RAPIDS Wastewater Treatment Optimization Program	191%	0.00	0.00	1.05	1.42	\$ 630,065	1 1		2021	n/a	n/a
PGE SW IP Gov	Ramp up activities for new SW third-party program	Third-Party	Statewide	Institutional Partnerships: DGS and DoC	258%	n/a	n/a	0.27	1.02	\$ 190,000	\$ 679,600	\$ 1,929,021	2021	n/a	n/a
PGE_SW_CSA_Natl	Increased budget necessary to support increased DOE advocacy	Core	Statewide	National Codes & Standards Advocacy	55%	n/a	1.96	2.65	2.73	\$ 1,569,630	\$ 2,430,097	\$ 2,430,097	2020	n/a	n/a
PGE_SW_WET_CC	This is a new third-party statewide program ramping up	Third-Party	Statewide	WET Career Connections	71%	n/a	n/a	0.00	0.00	\$ 266,000	\$ 456,000	\$ 456,000	2021	n/a	n/a
PGE_SW_WET_Work	This is a new third-party statewide program ramping up	Third-Party	Statewide	WET Career and Workforce Readiness	42%	n/a	n/a	0.00	0.00	\$ 561,943	\$ 800,761	\$ 862,427	2021	n/a	n/a
(a) In some cases the contract end	date is unknown at the month level, in which case months are marked "TBD". Contract extension	dates for program budgets	increasing or decre	asing by 40% or more are marked as "n/a" because contracts will be in p	lace at least th	rough the end o	of 2022.								

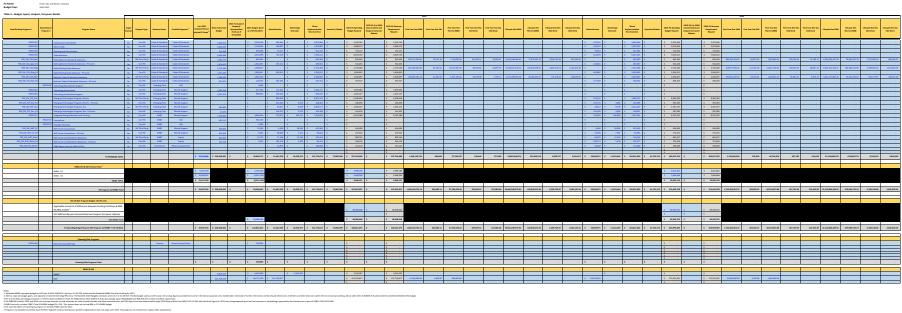
0) PGE_Res_001a, PGE_Res_001a, PGE_Res_001a, and PGE_Res_001a are Program IDs for the four Pay for Performance implementers of the Pay for Performance program activities that were previously forecasted and reported through 2020 under Program ID PGE21000

(c) PGE_ind_001a and PGE_ind_001b are Program IDs for the two industrial Strategic Energy Management program activities that were previously forecasted and reported through 2020 under Program ID PGE21030

Programs that are new in 2022 or 2023

Program ID	PA Justification	Third party implementer or Core	Statewide	Programs that are new in 2022 or 2023	2022 Filed TRC	2023 Filed TRC	2021 Budget	2022 Budget	2023 Budget	MM/YY program to start	MM/YY Program is due to sunset; and flag as "NEW 3P" program if program is result of 3P solicitation process per D1801004	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2022- 2023 ABAL planning and timing for new 3P contracts ramp up, or mark "NEW 3P" program if program is result of 3P solicitation process per D1801004
PGE_Res_Equity	Planning local program solicitation	Third-Party	Local	Residential Equity Placeholder	0.00	0.00	\$ -	ş -	\$ 3,448,906	TBD/2023	New 3P	
PGE_Res_002e	Planning local program solicitation	Third-Party	Local	New Marketplace Placeholder	0.00	0.00	\$ -	\$ 1,219,000	\$ 1,318,227	TBD/2022	New 3P	
PGE_Com_SmallBiz	Planning local program solicitation	Third-Party	Local	New Small/Micro Business Placeholder	0.00	0.00	\$ -	\$ 1,904,883	\$ 5,263,331	TBD/2022	New 3P	
PGE_SW_ETP_Elec	Other IOU statewide program solicitation and planning	Third-Party	Statewide	Emerging Technologies Program, Electric	0.00	0.00	\$ -	\$ 6,596,940	\$ 8,386,780	TBD/2022	New 3P	
PGE_SW_IP_Colleges	Other IOU statewide program solicitation and planning	Third-Party	Statewide	Institutional Partnerships: UC/CSU/CCC	1.25	1.25	\$ -	\$ 906,866	\$ 2,797,702	TBD/2022	New 3P	
PGE_SW_WP	Other IOU statewide program solicitation and planning	Third-Party	Statewide	Water/wastewater pumping	1.25	1.25	\$ -	\$ 906,866	\$ 2,797,702	TBD/2022	New 3P	
PGE_SW_HVAC_QIQM	Other IOU statewide program solicitation and planning	Third-Party	Statewide	Statewide Residential QI/QM	0.00	0.00	\$ -	ş -	\$ 3,146,400	TBD/2023	New 3P	

Pa Name: Budget Year: Table 6 - Budget, Spent, Un	Peelle Gas and Baster Company 2020-2021 spent, Carryboar Details			_																							
StraySolding Program 8			e 2020 ni/Januari HE Funds ¹ 2021 Authorized Budget 3/	S Pervanted Grapsold Sentembled Sentembled V13(2023)	desistionation Marketing' Outwark	Dres Inglosenialise Resilection	burnike/Tekate	2023 Ni. Spending Bulget Report	23 Ali Per 3000 annahida and Requirement Balance Per Your Ver Ver Ver Ver Ver Ver	First Your Stat KAV	Proi Tear Kei Teana (MM)	First Year Nat Day CO2 (here)	Pine Year Kei Gan CO3 (Iwo)	Librysie Nat Theorem (MM)	Lifespie Nei Des CO2 (Sen)	Lifespie Ket Cas GGO (Tan) Administrative	Marketing/ Calivash Nam	Densi meniatian isaasila	late 2023 Pit (gan Badget Rep	ling 2303 Mi Pro-3006 Damanakinal an Bilanan Bilanan	renner Reni R	et EBN First Taur Set EW	firsi Tear Kei Term (Mil)	Perti Tear Sol Elas CG2 (see)	Presi Yaar Kati Gas COO (kan) Lifenyale Kasi Kikik	Liferpie Kei Derme (AM) 600 (Sei)	Lifespie Ket Can CEO (Tan)
Paljasja Paljasjalisja Paljasja Paljasjalisja	EEA Pay for Parkmanner Conductable Home Robains MR Pay for Parkmanner Conductable Home Robains EEA Pay for Parkmanner Home Inducts EEA Pay for Parkmanner Home Inducts EEA Pay for Parkmanner Home Inducts	Same Direct Party Residential Matchet Region Same Direct Party Residential Matchet Region Same Direct Party Residential Researce Region Table Same Direct Party Residential Researce Region Table	1,01301 	5 332344 5 5 · · 5 5 6425339 5 5 · · 5	000,045 8 000,000 144,010 8 000,000 144,000 8 044,00 144,000 8 046,00	5 1,005,000 5 367,003 5 1,046,003 5 367,064	1 1,983,988 1 1,983,988 1 1,985,988 1 1,985,985,985,985,985,985,985,985,985,985	5 1,018,000 5 723,153 5 1,018,560 5 487,429	5 1,000,000 2,000,004.77 5 720,000 5 1,000,000 1,000,007.75 5 407,000 -	1,381.17 	147,412.00 	31.8 	8040 23,90,8681 	1,499,444.44 	840.14 	A78449 5	S · S S · S I S 200,000 S I S 111,214 S	· 5 · 5 · 5 · 286,003 · 5		- 5 - 5 - 640 - 611 - 5	- 1,07,0 64,000 1,07,0		73,04.86	54351			420.33
Niljinji Niljinjilijinji Niljinji	Sile Pay for Parkmanner Home Borng Bounds #B2 Pay for Parkmanner Home Borng Bounds #GL Jan, Sile Pay for Parkmanner Home Borng Episotetie Sile Backdelard Dong Aldram Home Streng Deshaps	Sec Intel Total Party Bestimital Bestimital Bestimital Sec Core PA Bestimital Bestimital Bestimital Sec Sec PA Bestimital Bestimital Bestimital Sec Sec Party Bestimital Bestimital Bestimital Sec Sec Party Bestimital Bestimital Bestimital	76,355 	5 1414730 5 5 · · 5 5 · 246467 5 5 · 3471344 5	43,866 \$ 127,872 360,868 \$ 113,813 	5 715,280 5 345,387 5 5 5,211,880	\$ 277,402 \$ · · \$ · ·	5 1,140,219 5 444,816 5 - 5 1,211,800	\$ 138728 2000 \$ 46689 \$ 5 46699 \$ 7 \$ 7 \$ 12889 \$ 12889 \$ 12889 \$ 12899 \$ 12999 \$ 129999 \$ 129999 \$ 129999 \$ 129999 \$ 129999 \$ 12999		1,000.00	406.05 	1,002 11,002,114.26 	11,389.40 	478.40 	45.44 \$ 63,99 - 5 141,69 - 5 - 5 - 141,69 - 5	6 8 127372 8 8 113278 8 8 · 6 8 · 6 8 · 8	718,380 5 27 348,347 5 - 5 3,313,880 5	S 1,188 • 5 1,188 • 5 1,188 • 5 1,283 • 5 1,283		10,000 10,000,000 10,000 10,000,000 10,000 10,000,000	· 34.047 · · · · · · · · · · · · · · · · · · ·	1,000.00	662N	00 808080 	11,189.48 4,001.77 · · · · · · · · · · · · · · ·	41.44
Nition dia dia 4000000000000000000000000000000000000	erki Bendentia Longy Jahour "Avers Longy Danlops SS Backets Longy Jahour Worksplann SG Jung Jahour Start Longy Jahour Went Longy Jahou SS Callung Start Longy Jahour Start Longy Jay	Sar Growth Benalmini Resense provides Sar Growth Benalmini March of growth Sar Growth Benalmini March of growth Sar Growth Fernice Sar March Sar Growth March of growth Fernice Sar	1,086,000 X,009,028 13,086,084	5 · 5 5 01600 5 5 01600 5 5 1 5	201,022 \$ 811,025 9,814 \$ 28,445 · \$ · 84,442 \$ ·	5 214,864 5 81,200 5 · · · 5 · 6,111,311		5 1,241,815 5 387,482 5 - 5 14,823,368		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6,206,000.00	1 1 11,011.08	· · · · · · · · · · · · · · · · · · ·		1,010.00	· 5 211,04 · 5 · · · 5 · · · 5 · ·	1 5 823/800 5 5 · · 5 5 · · 5 7 5 · · 5	241,985 5 · 5 · 5 14,214,985 5	5 1,362 5 5 5 5 5 5 6 5	946 5 1, - 5 - 5 400 5 14,	334(2H)	· · · · · · · · · · · · · · · · · · ·	1,00,000 86	i i u,acas	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Pitt, Jan, Jittel, San Pitt, Jan, J Pitt, Jan, Josephile Pitt, Jan, Josephile	## Cardinanas Singa Franksish Program Bh Kee Machine Franksish BA Makhemis Keenga Keringa Program ##4 Makhemis Keenga Keringa Program	Res Gene RA Benalemial Researchingsteim Im Gene RA Benalemial Alartat Imperial Am Gene RA Benalemial Researchingsteim Am Gene RA Benalemial Researchingsteim	4,000,040	5 · 5 5 · 5 5 • 644,666 5 • 644,666 5 · 5	1,628,963 5 864,075 120,965 5 867,627 433,963 5 134,344 444,764 5 7,341	5 3,417,451 5 435,817 5 134,360 5 134,301	5 · · · · · · · · · · · · · · · · · · ·	5 1,642,295 5 1,218,000 5 1,783,649 5 9,35,140	5 1,541,243 5 1,214,365 5 1,2	211.06	224,964.80	461346 1		1,622,611.49	2 2,000.00	· 5 120120 · 5 120120 · 21,02227 5 444,00 · 3 446,00	5 340,400 5 5 400,440 5 5 140,440 5 1 5 3,340 5 1 5 3,340 5	1,682,629 5 714,214 5 624,011 5 2,05 123,885 5	 S 3,851 S 1,318 S 4,016 S 1,068 	885 5 5, 227 5 1, 414 5 4, 725 5 5 4,	01,005 04,207 04,024 1,004,3 04,723	· · · · · · · · · · · · · · · · · · ·	30,6110	11 11 11 11 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		i Alanaka i
PSI, Jan, Ja PSI, Jan, Japang, Jan PSID PSID PSID	Procedential Marchen Support Riccontroller dH Enciente al Marchen Support Riccontroller dH Enciente al Marchen Support Riccontroller dH Deschertal al Marchen Support Riccontroller dH Encienteral Alternative stream dH Extension alternative stream dH Extension alternative stream	Sea Dead Date (sea stand) Deads Sea Contribut Maximital Equity Sea Contribut Maximital Equity Sea Contribut Maximital Equity Sea Contribut Maximital Equity Sea Contribut Maximital Education Largeont Sea Contribut Educational Maximital Experiment	3,661,600 2,505,664	5 · 5 5 · 5 5 · 444,445 5 · 444,445 5 · 444,445 5	· 5 · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	54.80)	16,112,31 16,318,33	1400 (41.27)	202.44 1,138,360.37 336.89 (2,102,496.86)	- 	18149 (1814)	5 Milan 5 Milan 148331 5 - 1,00441 5 -	5 NOLDOO 5 1 5 - 5 5 - 5 5 5 - 5 -	2,400,800 S 347,462 S - S - S		000 5 5, 906 5 7 1 5 7	10,000 						
Paga	PR02000 Row density (larger Strates program 2001 Row density (larger Strates program PR02000 Madride Larger Strates program	See Gene PA Benchmint N/A Se Gene PA Benchmint Bencomparition Se Gene PA Benchmint N/A Se Gene PA Benchmint N/A Se Gene PA Benchmint N/A		5 1294 5 5 1201296 5 5 1482243 5 5 (6296) 5	· 8 · 31,005 5 43,007 · 8 · · 8 ·	5	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5		1 12 (11) 12 1	21.8	206.06 8,496,906.33	-	Daile Construction	· · · · · · · · · · · · · · · · · · ·	8 1 8 8 1 8 8 1 8 8 1 8 8 1 8		• 5 • 5 • 5	- S - S - S - S							
Fill, Sk. JK. Jambo, Joo yin Pill, Sk. Jackson, Joo yinin Pill, Sk. Jackson, Joo yinin Pill, Sk. Jackson, Joo yi	PRIADE Description in the Manufacture and Multiple Stress View Description in the Manufacture and Multiple Stress	An Control Mitiation Api. An SE Archively Benchmith Mitchild Support An SE Archively Benchmith Mitchild Support An SE Archively Benchmith Mitchild Support An SE Archively Benchmith Matchild Support		8 (maximum 2) 1 (maxim 2) 1	1,844 5 3,717 4,845 5 42 11,126 5 16,941	5 14,000 5 4,004 5 44,004	5 17,221 5 17,221 5 30,707	5 40,147 5 10,248 5 146,006	5 42,007 12,0725 5 12,249 5 100,004 121,004,70	1.00 11.75	4,380.45 5,380.46	6.30 30.33	21.49 22.438.44 21.11 1.001,000.37	CL 615,20	410	1000 1000 1000 1000 1000 1000 1000 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	118,877 5 28 44,888 5 113,480 5 40	AD4 5 414 5 80 605 5 80 	401 5 108 5 109 5	14)01 14) 16)09 16(40) 1400		60,000 D	234	104.79 254,264.89 254,264.89 254,264.21	914,880.24 88.04 1,044,681.04 7,281.45	(30.37 (30.47
NUM CONTRACTOR	Original and a second sec	An Corres Britanna Antonio Antonio Corres Antonio Corres Britanna Corres Corres An Orace M. Braidenial Marine Legent Corres An Orace M. Braidenial Marine Legent Corres	2,611,10, 0		Line J Line Line AMC,002 2 Call,AC Line,ACC AMC,002 3 AMC,002 Line,ACC Line 3 Line,ACC Line,ACC	5 80,000 5 80,000 5 80,000 5 80,000 5 80,000	5 204,049 5	5 5,000 5 1,000,000 5 454,046 5 464,000 5 506,000	5 1,417,418 5 1,417,418 5 4,448,500 5 444,500 5 844,503 5 1,004,503 5 1,004,503 5 1,004,503 5 1,004,503 5 1,005,503 5 1,005,5	-	2,718.77	(1.14) (1.14)	228.42 11,860,170,89 460,12 44,990,156,80	CI (11,10	(649.87) (5.496.19	1,000,34 5 144,00 1,000,34 5 144,00 1,000,000,00 1,000,00 1,000,00 1,000,00 1,000,00 1	5 00 5 5 0001 5 5 0.000 5 5 0.000 5	99,00 5 99,00 5 99,00 5 99,00 5 99,00 5 99,00 5	5 200 5 3,000 5 705 5 1,040 5 480	144 5 5, 144 5 5, 145 5 1, 145 5 1, 145 5 1,	10,000 10,000 10,000 10,000 10,000 10,000	771.28 (22.84) 486.55 (23.42	90,02.0 1,01.0	(611.14) (512.34)	UNIS COMUNICA	1,750,846,14 (0,102,14 (0,102,14) (0,102,14)	34,758,38
NEGRAPHICO NEGRAPHICODA NEGRAPHICODA NEGRAPHICA	Bockenst Hill CalCall CalCall Bockenst Hill Bockenst Hill CalCall Bockenst Hill CalCall Bockenst	Au Core NA Revisionitiant Marcine Lappoint Su Dirit Dirich Parly Revisionitiant Marcine Lappoint Su Core NA Revisionitiant Marcine Lappoint Su Core NA Revisionitiant Marcine Lappoint Su Core NA Revisionitiant Marcine Lappoint Su Su Total Parly Revisionitiant Revision Reprintmentation		5 · 5 5 · 5 5 · 5 5 · 1266 5	- 5	8 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 5 5 (3),07(,61,60 5 (4),161 5 (4),161	L. Martin	246,066.75	1,091.45		2,440,447.08	8,8246	- 5 114,640 - 5 214,660 14,145,71 5 111,942 - 5 244,622	5 265,712 5 5	2,002,000 5 54,000 5 2,002,001 5 3,000 712,013 5	 5 3,146 5 346 5 4,65 5 465 5 465 	400 5 3, 345 5 5 327 5 4, 261 5 5	646,800 888,965 869,907 8,624,6 816,901		113,041.47	1,044.07	i i i i i i i i i i i i i i i i i i i	1,120,019-10	10,217.50
Milly Sam, Milly Sam, José Jan Milly Sam, José Jan Milly Sam, José Jan	801 Encore Comprehension Reliable and Economic sensing 845 Encore Comprehension Reliable and Economic sensing 826 Encore Sensing 827 Encore Sensing 828 Encore Sensing	La Sent'Der Per General Annarologician La Carità Canani Annarologician La Sent'Der Per General Annarologician La Carità Canani Annarologician	752,075	5 226,251 5 5 · 5 5 346,665 5 5 · 6	54,809 5 54,643 209,000 5 7,443 31,025 5 74,948 399,074 5 7,444	5 1,044,300 5 349,509 5 449,607 6 344,309	5 301,603 5 · · 5 304,040 5 · ·	5 1,868,875 5 896,075 5 1,866,945 5 893,846	5 1,946,073 (4,972,677,54 5 496,073	855.30 	101,144.00	1,91.0 	44,386,731.39	1,112,347.66	16,246,65 6,962,34	- 5 5440 - 5 20150 40240 3 1150 - 5 12750	5 28,600 5 5 2,800 5 6 2,800 5 1 5 26,111 5 2 5 2,800 6	1,205,964 5 56 255,959 5 355,250 5 45 255,954 5	AMA 5 1,87% 5 485 1,32% 5 395	281 5 226 6 1,	04,844 (341,3 84,243 (34,224 (3,442,4 84,354	003.00 005.01 	144,044,00	1,586.30 		3,147,4168 14,408.19	10,479.44
Hill, San, Hill, San, Jöll, San Hill, San, Hill, San, Jöll, San	2021 Matthew Program P 4747 Matthew Program P 2638 Advected Allenger Program for the High Tesh and Burtheshindearies P 2649 Advected Brong Program for the High Tesh and Burtheshindearies P	Au Long Diricit Party Communical Research capitalism Au Conv MA Convention Research capitalism Au Long Diricit Party Convention Research capitalism Au Conv MA Convention Research capitalism Au Conv MA Convention Research capitalism Au Conv MA Convention Research capitalism	14,864,883	5 11754 5 5 · 5 5 221487 5 5 · 5	111,824 5 44,952 441,967 5 7,441 31,979 5 77,479 241,929 5 7,441	6 179,111 5 501,789 5 1,300,380 6 312,811	5 3,000,000 5 · · 5 306,000 5 · ·	5 3,703,411 5 943,886 5 3,903,414 5 426,140	5 4/21/20 14/214/84/21 5 4/22/86 - 5 13/21/204 5/22/204 / 5 4/21/404 -	1,000.00	287,962.43 	2,842.00 	1,881,88 01,800,807,34 0,000,807,34 0,000,807,88 0,000,807,88 0,000,807,88 0,000,807,34	3,340,346,26 	3,18,11 1,05,00	11,438.70 8 134,00 · 8 471,60 (498,42 8 84,94 · 8 84,94 · 8 84,94	5 76,065 5 5 7,002 5 5 64,062 5 5 7,002 5	107,011 5 5,00 114,014 5 3,455,012 5 1,11 014,017 5	5 4,000 5 1,000 5 1,000 5 2,880 5 2,880 6 7	135 5 4, 1402 5 1, 136 5 2, 135 5 5	11,000 11,0000 11,0000 11,0000 11,0000 11,0000 11,0000 11,0000 11,0000 11,00000	2044 1,054 2044 1,0517	PLACE MUNUM	2,096.06 	1346.13 94,746,422.73 	1,014,714 NO 17,127.14 1,439,417.44 11,506.15	17,000 54 5,144.95
Nil, Gan, Nil, Gan, Jili, Gan Nil, Gan, Jana Hai, Gan, Jana Hai, Gan, Jana	201 Intelligence/orger Firems indication 202 Real/International Control of Intelligence International Control of Intelligence Intel	Sear Third Party Convention Annexes length time Sear RA Convention Annexes length time Image: Sear RA Sear RA Convention Annexes length time Image: Sear RA Sear RA Convention Annexes length time Image: Sear RA Sear RA Convention Equity Image: Sear RA		8 246,689 8 6 · · 8 7 · · 8 8 · · 8 8 · · 8	32,840 5 44,384 282,848 5 3,133 286,380 5 184,000 286,283 5 -	5 1,399,811 5 861,817 5 1,300,880 5 304,011	5 307245 5 - 5 - 5 -	5 2,135,262 5 280,425 5 1,646,000 5 466,685	5 2,114,246 2,104,365 5 247,425 5 1,102,388 5 464,483	403 M	143,314,35	8175 	8032 303%(H631	1,111,414,30		10,140,20 5 21,000 - 5 10,120 - 5 446,000 - 5 447,000	5 34,044 5 5 3,484 5 5 444,000 5 1 5 - 5	3,423,081 5 87. 164,084 5 3,600,000 5 276,818 5	MAX S 2,457 • S 3483 • S 4,000 • S 353	887 5 5, 878 5 5, 800 5 4, 331 5	87,887 8,337,4 88,978 80,000 81,383	44730 40033	DOM: N	186.75 	AR GEG 1 	238,014	10,002,00
P001 P001 P001 P0001(_0+	84 Demonshie Gehavisterine 83 Generativitä Generative 84 Demonshie Maria 84 Demonshie Maria 84 Demonshie Maria	No. Corr PA Communical Research oppingtum Ac Corr PA Cammunical Research oppingtum Ac Sector Party Corrent of Research oppingtum Research oppingtum Ac Corr PA Corr manual Research oppingtum Research oppingtum	CH(13),3 440,442,4 CB(13),1 CB(13),1	5 1241298 5 5 1271212 5 5 1271212 5 5 12121 5 5 12121 5	Bit (200 5 1 (200, 133) 361,963 5 186,154 - 5 - 120,962 5 427,075	5 2,014,073 5 1,013,061 5 614,000 5 104,014	5 346,253 5 346,277 5 ·	5 4,164,722 5 3,046,075 5 454,665 5 454,665	5 4,064,700 2,884,883 36 5 3,864,875 271,880 38 5 424,985 5 424,985	181.00 18.00 1	45,527.58 94,942.85 1	708.20 68.25	245.3% 80.4%,330.80 505.45 3.347,000.28 7	125,861.86 475,455.24	2728.13 444.87 -	1953) 5 184,00 2064,01 5 264,00 - 5 264,00 - 5 124,00	S 1,256,663 S I S 148,960 S S - S S I S - S I S - S I S - S	2,385,204 5 54 1,405,201 5 54 634,000 5 91,208 5	733 5 4,375 2777 5 2,800 - 5 414 - 5 450	884 5 4, 385 5 2, 900 5 5 306 5 7	21,864 1,861,7 80,263 375,6 80,265 80,265	2003 14 143 49 2003 14 14 14 	45,527.88 94,942.85 1	141 M	245.76 (3.00,600.90 505.11 (3.007,600.24 7 7 7 7 7	120,001.00 1,002.00 475,413.24 706.83 	2,725.26 2,765.85
Habii	SS Jacopa Valles PRESS Compared HULC PRESS Compared HULC PRESS Compared HULC PRESS Compared HULC	See Core PA Conservail March Expension See Core PA Conservail N/A See Core PA Conservail N/A See Core PA Conservail N/A	1,287,984	5 1,016,146 5 5 (716,922) 5 5 964,121 5 5 146,146 5	Bigging B	5 117,000 5 · · · 5 · ·	5 368,004 5 · · 5 · ·	5 675,685 5 · · 5 · ·	5 471,082 400,019.29 5 • • • • • • • • • • • • • • • • • • •	48.28 	1,040.35		14.64 K.MK.447.45 	4,30.25	14831	27136 5 13058 - 5 - - 5 -	5	283,033 5 20 · 5 · 5 · 5	5 400 5 5 5 5 5 5	M2 5	10,000 CM(10)		(ato	96.33 	4.30 3,340,775.38 	1,3838 1,3844 	136.49
Hill Still Jul Jacober, Sam John Hill Still Jul Jacober, Sam Johnson	PRODUCT Inscituous/congrit Elicitiesy Program PRODUCT Inscitution (long televisy)	See Generation N/A See Generation N/A See See Not		۱ (۲۹۵۵) ۱ ۲ (۲۹۵۹) ۲ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱	· 5 · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	1	3,887.53	0.84	31.66	1 10,030.75	404 404	- 5	5 - 5 5 - 5 6 5 5 6 5 5 6 5 3,05 6 3,05 5	- 5 - 5 - 10,001 5 20 - 04,005 5		- S 5 544 S 5066 S			40,003.0	643			COLUMN COLUMN
NEUKUKUKUKUKUKUKUKUKUKUKUKUKUKUKUKUKUKUK	Original Construction from the Markan Constructor communication Original Constructions from the Markan Construction Construction Original Constructions from Construction Original Construction Original Construction	Au do Instructure Landensan antraktioppen Au Gerrich General Marketoppen Au Gerrich General Associations General General Generalistics	5,637,634 133,765	5 5 5 5 5 5 80446 5 5 10206 5 7 104060 7	20,003 5 2,003 21,004 5 1,004 600,007 5 600,000 201,006 5 1,009 201,006 5 1,009	5 102,001 5 2,001,004 5 3,001,004 5 302,004	5	5 138,800 5 138,800 5 7,358,865 5 168,188 7 1.011,905	5 120,000 240,000 0 5 120,000 - 5 7,000,000 2,202,001 0 5 500,000 -	40141	494,363.37	-	43841 34303874 438441 34303874 	4,144,944.77	444.75	· 3 BDE · 3 BDE · 3 BDE	5 84,000 5 5 1,445 5 1 5 1,445 5 1 5 1,446 5 1 5 1,446 5	215,000 5 20 214,544 5 3,341,962 5 4,57 125,260 5	· 5 100 · 5 100 · 5 100 · 5 100	342 3 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 4 4 5 5 4 5 4 5 4 5 4 5 5 4 5 5 4 5 5 4 5	04,000 04,000 04,000 04,000 04,000 04,000					10741122 172444 10741122 172444 10741121 074414 10741121 074414	
HELDIN JAHR JA HELDIN JAHR JA HELDIN JAHR HELDIN JAHR	2012 Optimizer Statistic general field optimizer Statistics 2012 Optimizer Statistic general field (2014) 2014 Statistican Construction Statistics Factors 2014 Statistican Construction Factors 2014 Statistics	Anno Controls Controls Research Controls Research Controls See See Torch Fungs Controls Research Controls Research Controls See See Gent Parks Controls Research Controls Research Controls See See Gent Parks Controls Research Controls Research Controls See	10,000 10,000 10,000 10,000 10,000	5 2447 5 5 9442748 5 5 2403 5 5 2403 5 5 2403 5 5 544333 5	204,045 5 1,020 MA,048 5 102,048 207,072 5 1,020 404,048 5 100,020	1 213,427 3 1,214,294 1 349,494 5 1,414,914	5 · · 5 5 4,954,004 5 · · 5 5 · · 5	5 483,008 5 7,013,360 5 5,86,400 5 6,019,484	5 448,020 5 7,012,040 3,012,754,04 5 000,020 5 4,000,004 10,101,041,00	1411	721,881.17 (K7,812.20)	264.00	4,386,377 10,346,545,51 4,386,377 10,346,545,51 4,386,378 1,346,346,745,350 1,346,346,745,350 1,346,346,745,350 1,346,346,745,350 1,346,346,745,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,346,345,350 1,346,350 1,346,350	10,344,441,04	2,600,65	- 5 241,417 72,447,31 5 148,414 - 5 247,442 (1,046,37) 5 423,535	5 3,496 5 5 109,235 5 1 5 3,496 5 1 5 109,200 5	213,000 5 1,214,214 5 4,34 102,444 5 1,029,204 5 1,00		101 5 1077 5 4, 1178 5 208 5 4,	817,001 811,077 1,081,0 811,074 811,074 10,075,0		NCD_1448.ND	211.94		· · · · · · · · · · · · · · · · · · ·	8(34134 (),1034
Hallyon ya Haliya Haliya Sar Haliya Sar	Al Defining Destromary PECons Approximately PECons Approxi	Gene MA Communical Personal conjultant No. Second Direct Magnetization Benarrochampicitant Au Cone PA Agricultural Benarrochampicitant Au Cone PA Agricultural Benarrochampicitant Au Cone PA Agricultural Benarrochampicitant	140,455 5,347,464 	5 7284 5 5 5247280 5 5 5247280 5 5 5247280 5	217,489 5 3,020 1,023,884 5 209,481 1,096,837 5 3,020 341,754 5 44,751	5 345,837 5 3,449,804 6 626,334 6 341,079	5	5 345,096 5 0,939,342 5 2,030,342 5 1,240,344	5 141,996 5 04,996 5 04,996 6 32,005,00 6 12,005,00 6 12,005,00 6 12,005,00	1,01140	64,213.37 68,060.00	5,003.15 10 100.25		887,546.20 912,560.30	30,340.79 2,347.40		5 3,496 5 5 867,338 5 5 3,496 5 5 46,345 5	342,954 5 5,392,842 5 8,497 5,296,844 5 400,059 5 42	5 413 5 44,63 5 14,65 5 1,663 5 1,663 5 100	CAN 5 429 5 14, 213 5 5, 382 5	11,000 10,000 10,000 10,000 10,000		97,411.37 124,414.54	8,734.05 	15.34 38.78.38.38 79.11 1.38.38.34	1,307,001 111,000,0 1,000,001 111,000,0 1,000,001 111,000,000,0	7,448.13
NOT	BD Agricultural Densent Insention. B4 Agricultural Denge Advant B4 Agricultural Denge Advant B4 Benefander Bonge Advant B4 Benefander Bonge Advant	In: Core RI. Agricultural Resource Logicities In: Core RI. Agricultural Resource Logicities An. Core RI. Agricultural Resource Logicities An. Stork Party Agricultural Resource Logicities	2385,669	5 446983 5 5 322545 5 5 · · 5 5 · · 5	A4,075 5 M4,075 · 5 · SL,044 5 54,112 1,208 5 966	5 86,311 5 803,817 5 40,086 5 4,034	5 230,800 5 · · 5 · · 5 · ·	5 640,003 5 140,407 5 140,208 5 140,208	5 641,943 134,944 20 5 142,947 - 5 142,948 - 5 142,948 - 5 142,948 1,444,94	184.14 - - -		1148 	. 3,286,462,00 3,05 1,286,462,46	- - - 7,78.48	946339 	· · · · · · · · · · · · · · · · · · ·	1 5 36,277 5 5 · 5 5 1 5 6,614 5 5 6,662 5	323,811 5 28 303,817 5 43,806 5 26,722 5 6	CBB 2 200	444 5 4127 5 3135 5 3445 5	12,66 126,6 12,627 58,385 16,665 117,6	894.80 184.14 · · · (03.14 13.49		NL 14	- 138,444.00 	· · · · · · · · · · · · · · · · · · ·	
NU, W. J.C., Sandar, J.G., Sandar, San	PA Res Construction New Res America Agel net 14 - PA Const. Per Construction New Res America Agel New Ann. PA Res Construction New Resolutionial Agel New Ann. PA Res Construction New Resolutionial Agel New Ann. PA Res Construction	Ser Gene RS. Agricultural Matchel Leggent Ses Ses Dard Party Agricultural Matchel Leggent Ses Gene RS. Agricultural Matchel Leggent Ses Gene RS. Sedantical Matchel Leggent		8 8 8 8 1 8 8 8 1 8 8 8 1 8 8 8 1 8 1	4,713 5 113 4,803 5 5,817 4,844 5 118 811,275 5 20,947	5 43,342 5 24,343 5 8,442 5 3,417,04	5	5 54,447 5 44,447 5 34,346 5 4,449,345	· (34,502 2) · (44,502 (45,502 2) · (44,502 (45,502 2) · (44,502 1) · (44,502 1)	5.17 5.17 		- 747 	1.18 46(3).04 	3,68,71 4,180,911.55	1000	- 8 1728 2623 5 4666 - 5 1646 6(2652) 5 1646	1 5 111 5 5 12,444 5 1 5 14,444 5 1 5 14,344 5	55,857 5 171,875 5 7 22,649 5 2,842,756 5 75	5 73 100 5 100 5 10 10 5 10 10 5 10 10 5 100	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	71,366 01,453 346,2 54,549 64,662 6,054,5	1 126 28 126 28 1 126 28	1,000 M	- 141.44 - 1,411.41	10000000000000000000000000000000000000	4,584.9 4,584.9 4,689,10.75 4,689,10.75 11,987,11	346.30
NELING NELING NELING NELING NELING	IDA Industrial IDA Industrial IDA Industrial IDA IDD Bacimana. Deseg Performance Program Industrial IDA Industrial IDA IDA Bacimana. Deseg Performance Program Industrial IDA Industrial IDA IDA Industrial IDA Industrial IDA Industrial IDA Industrial IDA	Ser Over-M Industrial Reserval/op/sites An Lond-Tool Party Industrial Reserval/op/sites An Cond-Tool Party Industrial Reserval/op/sites An Lond-Tool Party Industrial Reserval/op/sites	4,704,374	5 1216221 5 5 1211362 5 5 - 5 5 - 5 5 511362 5	1.782,961 5 7,841 687,884 \$ 863,887 687,884 \$ 3,843 687,884 \$ 3,843 687,884 \$ 3,843 867,884 \$ 283,844	5 1,213,071 5 2,424,375 5 1,224,911 5 3,625,484	5 2,00,000 5 3,000,000 5 5 2,00,005	5 7,832,064 5 6,943,389 5 3,946,277 5 6,487,226	5 7,812,014 84,303,800.00 5 4,943,449 11,447,246.25 5 2,940,227 - 5 4,407,224 A,818,812,34	901.00 1,401.30 1,911.14	1,000,000,00 1,000,001,00	7,847.85 8,001.54 	8,992.52 148,327,985.20 2,748.43 148,028,486.04 	7,000,740:00 14,007,007.00	41,385,49 17,596,12 17,598,94	4697420 5 233435 81,64344 5 771396 - 5 941,912 41,44330 5 294,941	5 7,842 5 6 5 867,847 5 7 5 7,842 5 6 5 126,627 5	013,002 5 1,00 2,715,278 5 4,44 3,642,207 5 2,022,008 5 2,00	1000 S 8,000 1001 S 8,000 1 S 2,000 1 S 1,000 1 1 000	886 5 5, 109 5 8, 101 5 2, 101 5 5, 100 5 5,	HI,MK 22,063,0 10,009 14,053 14,061 04,120 6,014,2	ABC-30 1.382.00 281.48 1.302.47 246.00 1.076.54	1,83,294,80 1,827,635,35 	5,0528 4,10746 	X383.77 358,772,853.88 4325.12 221,982,863.98 	7,10,0024 01,0024 0,66,72146 02,6024 	6,786.37 106,786.34
Mill Jud Job Ca Mill J Mill J Mill J Mill J Mill J	MA Industrial Definition Optimization Program DDI Industrial Definitional International Industrial Constraint International DDI Industrial Description DDI Industrial Description DDI Industrial Description	Image Concretion Instance Research approxime Image Second Concretion Second Concretion Second Concretion Image Generity Second Concretion Second Concretion Second Concretion Image Generity Second Concretion Second Concretion Second Concretion Second Concretion Image Second Concretion Second Concretion Second Concretion Second Concretion Second Concretion		5 1441443 5 5 1441443 5 5 1414443 5 5 141444 5	344,848 5 3,848 391,848 5 64,751 41,028 5 16,281 - 5 -	5 809,007 5 3,444,387 8 207,444 8 203,827	5 · · 5 6,00,004 7 8,000 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5 1,841,217 5 8,856,297 5 8,75,878 5 140,817	5 1,661,202	22.06	1,0%,112,26 201,343,24	100 MI 100 MI 10 MI 10 MI	1,0010 (300,003) 1,0046 (00,007) 1,0046 (00,007)	1,140,400.15 1,140,111.45	10440 10111	- 5 186,453 261,798,41 5 186,16 7,438,71 5 47,48 - 5 -	5 7,862 5 5 46,843 5 5 14,642 5 5 · · 5	861,079 5 1,145,245 5 2,80 265,854 5 6 362,857 5	5 1,855 1,855 1,855 5 1,855 1,855 5 1,855 1,955 1,9	130 5 1, 321 5 3, 426 5 4	HU,000 HU,001 101,0 HU,009 101,0 HU,007	AK2 87 2011 AK2 87 2011 AK3 88 10 15 82	415,045,06 176,115,00	an a	1,000,000,000,000,000,000,000,000,000,0	1,107,071,01 1,107,071,000,000,000,000,000,000,000,00	6,134.54 6,818.17
Hattality Hattality Hattality	ARX Inductor Damp Advance Component for and Veneza Advance Component for and Veneza Advance Appliestation Angreen PAD20000 Rates in the second Appliest Objects Advance PAD20000 Rates in the second Advance Advance Advance	Sec Gent PA Industrial Research application Am Gent PA Industrial NA	786,609	5 5 55 5 55,644 5 5 5 5 5 5 5 5 5 5	11,074 5 26,084 16,060 5 86,000 27,343 5 - 5 5 -	6 17,864 6 283,860 6 183,866 6 ·	5 7 5 7 5 7	5 84,680 5 Mil,000 5 233,448 5 -	5 86,000 5 800,000 4,940,000,000 5 233,649	201.40		411.00	8,327,688,80		1000	· · · · · · · · · · · · · · · · · · ·	5 20,117 5 5 40,000 5 1 5 · 5 5 · 5	33,094 5 345,000 5 342,073 5 - 5		414 S 000 S 105 S 105 S	17,000 2,000,0 100,000 2,000,0	100-30 NLE 10		730.80	1 1,418,000 80	1,286,37	
	Notice Research and Provide Conference Of Parties of Institution Notice Research Research Conference Of Parties of Institution Notice Research Research Institution (Research Research Resea	No. Conv.PA Mathematic No. Anno. Conv.PA Indexinial No. Indexinial Sa Conv.PA Indexinial No. Indexinial Sa Conv.PA Indexinial No. Indexinial		5 0.000 5 5 0.000 5 5 0.000 5 5 10,001 5 5 10,001 5												· · · · · · · · · · · · · · · · · · ·	5 5 5 5 5 5 5 5 5 5 5 5		· · · ·	· · · · · · · · · · · · · · · · · · ·							
NULSE, SC Sector, José Jan	PECIDIS Industrial Medigeration Performance Plan PECIDIS Computanzian Franch Analis Editorea relificiones Pgen 844 Res Combustions Res Residential of Editoria 845 Res Combustions Res Residential of Editoria 846 Res Combustions Res Residential of Editoria	Act Grav Ma Industrial N/A Ka Grav Ma Industrial N/A Sa Grav Ma Industrial N/A Sa Grav Ma Industrial N/A Sa Grav Ma Industrial Market Legence Sa Grav Ma Industrial Market Legence	36,073	5 · 5 5 (2,442,444) 5 5 · 5 5 · 24,000 5	· 5 · · · · · · · · · · · · · · · · · ·	6 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5 · · · · · · · · · · · · · · · · · · ·	5	1 1 1 10 1	2,411.40	018		6,0095		· 5 · · · · · · · · · · · · · · · · · ·	5 · 5 5 · 5 5 · 5 5 · 44 5	· 5 · 5 #2,885 5 56 29,830 5	· 5 · 5 · 5 · 5 267 · 5 10	- S - S 885 S 844 S			40,000.70	147	· · · · · · · · · · · · · · · · · · ·	436,73544 (7.44	
NE, SE, SE, Sandar, Sei, S NE, SE, SE, Sandar, Sei, S NE, SA, SE, Sandar, MJ, Har NE, Sal, Sal, Sal	MM Non-Construction New Environment of Ind Million Fluid VPA Non-Constructions New Environment Fluid Fluid XMM Down mount and KE 12 Compendence New Program XMM Down mount and KE 12 Compendence New Program	Sec Sec Deck Party Industrial Material Legent Sec Gene NA Industrial Material Legent Sec Gene NA Pattern Insurant-legent Sec Gene NA Pattern Research-legent	1,211,001	5 · 5 5 27266 5 5 341,348 5 5 · 5 5	10,445 5 16,427 20,448 5 007 141,126 5 166,965 346,475 5 16,715	5 72,812 5 44,868 5 1,009,881 5 478,380	5 44,643 5 · · 5 · · 5 · ·	5 156,567 5 66,435 5 2,553,714 5 827,445	5 190,547 148,481.55 5 46,433	36.31 	11,665.38 	4130	8845 2,027,82.98 	136,646.85 	29439 	104431 5 13164 - 5 14030 7,8524 5 22430 - 5 14430	5 107,054 5 5 1,082 5 5 146,748 5 5 14,088 5	485,849 5 56 185,820 5 1,214,939 5 1,05 129,823 5	5 1,265 5 100 5 100 672 5 1,175 5 1,075 5 1,075	606 8 8, 888 9 8 8 689 8 8 680 8 8 680 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	H1,005 3,002,0 01,988 01,980 8,016,0 07,005	27126 MS 72 	114,994.00 	111.00 1,000.70	42.17 11,111,128.34 	3,36,812 24 6,882 31 	13,79,34 2,313,34
HELPAR SEE NELPARSES NELTO NELTO NELTO	BH MPOC Restantin Fractional Optimization Program BPOC Restantin Fractional Optimization Program B BEL Difference Generation Optimization Program BL Difference Generation Optimization Program BL Difference Generation Optimization Program	Ann Sensitive Passive Research equivities Sen Core 76. Passive Research equivities Sen Core 76. Passive Research equivities Sen Core 76. Passive Research equivities	404,045 - 1,321,075 1,043,005	6 341339 5 6 - 5 5 542334 5 6 742344 5	361,000 5 48,356 381,860 5 7,141 44,562 5 - 117,342 5 -	5 384,332 5 264,860 5 56,284 5 54,487	5 361,864 5 · 5 361,864 5 356,864	5 3,385,685 5 454,880 5 366,656 5 936,778	5 1,380,491 2,912,499.49 5 454,880 - 5 360,834 800,836.40 5 430,731 444,732 34	90.94 	106,014,02	264.65 	422.44 17.280,245.11 	448,100.80 	13814 18040 2,8344	1,000,007 S 141,000 · S 201,000 44,511 S 34,000 1,146,09 S 46,000	1 5 200,828 5 5 7,862 5 1 5 · 5 5 5 · 5	1,111,007 5 62 611,609 5 8,300 5 3 30,064 5 9	Abs \$ 3,335 • \$ 767 Abs \$ 787 Abs \$ 79 Abs \$ 79 Abs \$ 109	784 5 2, 489 5 326 5 528 5	10,754 4,963 107,654 70,025 1453 109,024 105,6	54744 99871 34472 1338 50446 1338	344,344.88 	1,346,30 	1,00,00 (0,00,00,00) · · · · · · · · · · · · · · · · · · ·	1,107,4344 4,234,14 · · · · · · · · · · · · · · · · · · ·	0.040.04
PEDIN PEDIN	001 José Constrained Tengs Anton (Scala) 003 Bate of California 004 Department of Constrains and Advalitiation P0373.000 Instrage Tengs Ensurement	la Garth Pala Iapity la Garth Pala Amarstophytos la Garth Pala Amarstophytos la Garth Pala Amarstophytos	8,841,794 418,000 794,814	5 2,64,650 5 5 212,621 5 5 344,534 5 5 344,534 5	344,203 8 44,202 3,323 8 - 3,962 8 - 5 -	5 36,66 5 36,66 5 31,66 5 -	5 867,558 5 862,758 5 1344,468 5 ·	5 1,811,889 5 138,445 5 148,441 5 -	5 1,011,000 2,300,001.00 5 130,000 2,007,000.00 5 300,001 1,207,000.00 5 300,001 1,207,000.00 5	84 18 101 31 187 80	(4,833,84) 44,337,38	624.33 791.86 312.75	(28.28) 11.227/24.87 M.264,494.54 246.28 4,875,246.58	(27,441.7%) 	1,000-14 10,007-30 1,100-44	(14338) 5 · · 5 756 72639 5 · 2386 · 5 · ·	8 1 8 1 8 1 8 2 8 1 8 -5 1 8	· 8 7/07 8 55 36/07 8 25 · 8	\$ 30% \$ 135 365 \$ 200 \$	- 5 5 5 346 5 - 5	101,041 407)		44,567.48	110.00	· · · · · · · · · · · · · · · · · · ·	1,636,08 120,111.30 201.48	702.44
HALJALP HALJALP Son HALJALP Solid HALJALP Solider	Im initiational Partneybys DDI and Incl. 274 initiational Partneybys DDI and Incl. 978 initiational Partneybys UCDARCOC 274 initiational Partneybys UCDARCOC	Sar Sin Derificity Initial Ammenicaçãe Sar Garchi Polític Ammenicaçãe Initia Sar Sar Derificity Polític Ammenicaçãe Initia Sar Sar Derificity Polític Ammenicaçãe Initia Sar Garchi Polític Ammenicaçãe Initia	186.000 64.967	5 · 5 5 · 5 5 · 5 5 · 5 5 · 5	40,7% 5 2,343 302,965 5 7,343 303,985 5 46,439 203,985 5 40,439	5 944,001 5 372,001 5 144,002 6 115,002	5 90,044 5 · · 5 596,005 5 ·	5 439,400 5 489,314 5 906,844 5 336,778	5 479,488 371,684 88 5 400,398 5 900,888 387,42730 5 338,798	144.19	2,009,95	91.58 234.75	20179 2,002,700,71 	66,279 78 446,477 85	13143 217044	1044 1 407 · 3 2404 1444 1 44776 · 44776 · 44776	1 5 2,00 5 1 5 7,00 5 1 5 103,669 5 1 5 103,669 5 1 5 1,000 5	1,083,085 S 80 077,088 S 106,086 S 1,70 165,086 S	5 1,000 5 744 001 5 2,760 5 414	621 6 1, 885 5 300 6 2, 307 5	04,001 1,110,0 44,001 1,000 1,000,0 114,007 1,000,0		78,819.42	10112 20110	441.45 11,998,978,49 	1,842,439,14 0,984,10	6,046.10 6,427.33
NA, JA, HAL, JA, HAL, JA, JA, JAN, JA, JA, HAL, JA, JA, Janiso, Jok, Janiso HAL, JA, JA, Janiso, Jok, Janiso	PP Bits (An indexed a particip PA Bits (An indexed a particip PA Bits Bit	International Control of Contro of Control of Control of Control of Control of Control		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SC(81) 5 64,03 212,669 5 1,030 1,064 5 2,066 6,607 5 107	5 100,000 5 200,000 5 200,000 5 20,000 1 11,000	5 040,601 5 5 5	5 335,124 5 335,124 5 34,485 5 36,335	5 904,885 887,627.50 5 133(,58) 5 34,491 5,396,75 5 34,381 5,396,75 5 34,385 -	(CA)	2,04.0	138	202.09 2,7/3,444.30 54.72 36,440.30	10,00 S	3110.44	10000 1 00700 · 5 20070 10000 3 1000 · 5 20000 · 5 2000	5 143,449 E 5 3,496 E 1 5 143,111 E 1 5 143,111 E	404,094 8 1,75 185,378 8 72,811 8 35 13,864 8 104,881 7	ABA \$ 2,767 * \$ 400 ABAS \$ 205 * \$ 400 ABAS \$ 205 * \$ 300 ABAS \$ 300	380 5 2, 388 5 5 388 5 5 386 5 5	10,00 2000 10,00 72,0 11,00 72,0 10,00 72,0	565.00 586.21 	170,306.60	742 Ki 14 20 1	1981 12 26,058,129 88 100 47 1,089,807 42	100,001 20 7,001 14	1,427-53 1,647-86
NULACIANA AND AND AND AND AND AND AND AND AND	We Construction New New York (Arabitation Field Statement) Wes Construction New New Internation Publisher Program Sector Constructions in George Advisor Program West Constructions in George Advisor Program West Constructions in George Advisor Program West Constructions in George Advisor Program	Ans Dir Derift Perij Palatis Marini Lappent Ans Cone Mat Palatis Marini Lappent	Sec. Asc	5 · · 5 5 · · 5 5 · · 5 5 · · 5 5 · · 5	4,307 5 244 4,307 5 244 4,308 5 0,344 44,325 5 2,344 11,338 5	4 11,001 4 11,000 4 201,011 4 42,201 4 10,007	64,94 - 2 - 2 - 2	5 38,125 5 38,125 5 287,535 5 137,586 5 337,686	5 R447 44,003.70 5 R4,323 - 5 247,385 - 5 137,385 - 5 137,385 -	21.04			· · · · · · · · · · · · · · · · · · ·		- 903	· · · · · · · · · · · · · · · · · · ·	3 3(11) 5 1 5 275 5 2 5 4(11) 5 1 5 4(11) 5 1 5 4(11) 5 1 5 3(10) 5 1 5 3(10) 5	12,811 5 12,811 5 111,634 5 42,641 5		5 613 5 684 5	66,853 102,853 104,886			- 10.65		- 10,00 M 2484	
190,744 190,744,500 (m 190,744,500 (m 190,744,500 (m 190,744,500 (m	All Constanting and a constanting All Constanting and a constanting All Constanting Status for any Status All Information Constitutions All Information Constitutions	Instruction Conv NA Pattern Instruct Lapport Instruct Door Party Pattern Marcine Lapport Instruct Door Party Instruct Door Party Pattern Marcine Lapport Instruct Door Party Instruct Door Party Pattern Marcine Lapport Instruct Lapport	10,000	5 model 5 5 · 5	46,005 5 7,141 21,265 5 16,024 46,077 5 7,141 74,045 5 42,459	5 51,302 5 313,01 5 314,01 5 54,09 5 512,09	5	5 107,000 5 270,000 5 270,000 5 111,000 5 604,007	5 107,407 5 107,407 5 217,607 5 111,698 5 011,698							· 5 2000 · 3 443K · 5 2030 · 5 443K · 1 1000	1 5 7,980 5 1 5 16,961 5 1 5 7,980 5 1 5 7,980 5 1 5 64,961 7	14,037 5 123,296 5 17,271 5 113,221 5		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	100,000 100,000 111,000 100,000						
HE JAA SEE SA HE JAA SEE SA HE JAA SEE SA		International Control Control Patternation Descend Control International Control Control Patternation Marcine Compared	400,217	5	100,000 5 2,000 100,000 5 2,000 27,000 5 2,000 100,000 5 100,000	1 44,654 5 345,071 5 45,981 5 807,67	5	5 140,146 5 146,150 5 146,600 5 818,600	5 142,248 5 342,340 5 342,440 5 144,440							- 3 18479 - 3 18479 - 3 1350 - 5 8437 - 5 8437	5 23,402 5 5 26,402 5 5 29,402 5 5 29,402 5	44,765 5 407,864 5 75,206 5 905,884 5		825 S 846 S 875 S 886 C	80,005 04,888 86,905 61,784						
100.344,300.544 100.344,300.544 100.344,300.544 100.344,300.544	breg loos V bres loos long Web bres loos long Web bres loos long Web bres long Web bres bres bres	Sec Gene Ali Public Marcin Lappent Sec Sec Pair Marcin Lappent Sec Gene Ali Marcin Lappent	203,665	5 · · 5 5 · ·	101,003 5 2,141 29,042 5 16,062 101,063 5 2,141 13,066 5 9,269	1 10,00 1 1 10,00 1 1 10,00 1 1 10,00 1 1 10,00 1	5 5 5	5 139,448 5 442,615 5 139,312 5 139,515	8 484,953 2 8 464,959 2 9 464,953 2 9 464,953 2 9 464,953 2 9 464,953 2							- 5 111311 - 5 111311 - 5 111311 - 5 111311	5 7,800 5 5 7,800 5 5 18,084 5 5 7,800 5 5 8,110 5	48,494 5 146,217 5 44,074 5 214,220 5		388 S 883 S 688 S 000 S	014,344 114,346 177,664						
HE JAA JOS CA HEIDE HEIDE	Annual Public Song Song Public Song Deslit Song Song Song Song Song Song Song Song	un Gere Mi Palitie Ministe Ingener Au Gere Mi Pinaure Research oppicition Au Gere Mi Pinaure Research oppicition Au Gere Mi Pinaure Mit	1,041,043	5 3,44,647 5 5 3,44,647 5 5 394,339 5 5 9,264 5	44,005 5 2,141 40,005 5	5 54,387 5 417,073 5 3,046,853 5	5 1. 5 1. 5 1.	5 136,412 5 137,142 5 1,306,449 5 -	CALIEL 2 CALUE	4,961.23	214(416-33	12,656.75	143441 714270,7634		217,496,20	5 6446 5 6330 233649 6 16666 5 5	5 7,802 5 5 · 5 5 46,513 5 5 · 6	54,005 5 475,061 5 7,005,006 5 - 5	5 145 5 545 5 4,118	000 S 346 S 480 S 480 S 5 4,	11,009 11,004 109,000 10,000		121,114.36	50,111.30	· · · · · · · · · · · · · · · · · · ·	2,446,111.12 149,701.44	54,427.99
FBD1 FBD1aard	281 Des Financies Offenings Inst Des Kill Financies Laure Peul	An Garth Finance Reservices	17,000,000	8 · · 8 8 13,006,011 8		6	5 · · · · · · · · · · · · · · · · · · ·	5 · · · 5 · 14,000,000	5 · · · · · · · · · · · · · · · · · · ·							5 5 5 5	8 · · 8 8 · · 8	- 5 - 5 17,00	- 5 306 5 17,000	. § 800 § 17,							



Pa Name: Budget Year:

Pacific Gas and Electric Company 2022-2023

Table 5 - Committed Energy Efficiency Program Funding - Funds Not Yet Spent as of 8/31/2021

Accrued funds not yet spent	Electric Procurement	Natural Gas Public	
Category	Funds	Purpose Funds	Total
2017 to date EM&V Funds	\$12,162,480	\$2,316,663	\$14,479,143
2017 to date Program Funds - Utility [1]	\$420,000	\$80,000	\$500,000
2017 to date Program Funds - BayREN	\$0	\$0	\$0
2017 to date Program Funds - MCE	\$0	\$0	\$0
2018 to date EM&V Funds	\$9,660,972	\$1,840,185	\$11,501,157
2018 to date Program Funds - Utility [1]	\$420,000	\$80,000	\$500,000
2018 to date Program Funds - BayREN	\$0	\$0	\$0
2018 to date Program Funds - MCE	\$0	\$0	\$0
2019 to date EM&V Funds	(\$1,243,457)	(\$392,671)	(\$1,636,128)
2019 to date Program Funds - Utility [1]	\$380,000	\$120,000	\$500,000
2019 to date Program Funds - BayREN	\$0	\$0	\$0
2019 to date Program Funds - MCE	\$0	\$0	\$0
2020 to date EM&V Funds	(\$3,514,795)	(\$1,506,341)	(\$5,021,136)
2020 to date Program Funds - Utility [1]	\$350,000	\$150,000	\$500,000
2020 to date Program Funds - BayREN	\$592,224	\$253,810	\$846,034
2020 to date Program Funds - MCE	(\$214,786)	(\$92,051)	(\$306,838)
2020 to date Program Funds - 3C REN	\$961,246	\$411,962	\$1,373,208
2021 to date EM&V Funds	\$11,174,306	\$2,288,713	\$13,463,019
2021 to date Program Funds - Utility [2]	\$2,075,000	\$425,000	\$2,500,000
2021 to date Program Funds - BayREN	\$245,782	\$50, 3 41	\$296,123
2021 to date Program Funds - MCE	(\$230,520)	(\$47,215)	(\$277,735)
2021 to date Program Funds - 3C REN	\$2,359,380	\$483,246	\$2,842,626

1 Utility Funds represent New Financing Pilots funding initially authorized in the 2013-2015 cycle. Additional funding for this program was authorized in AL 3904-G/5175-E, approved effective December 3, 2017. \$500,000 per year for 2017 through 2020 were committed to continuously fund this program. 2 The PY2021 commitment of \$2.5m reflects PG&E administration costs related to the CHEEF program, per PG&E Advice 4495-G/6341-E.

Pa Name: Pacific Gas and Electric Budget Year: 2022-2023 Pacific Gas and Electric Company 2022-2023

Table 6 - Statewide Programs

Statewide Program*	Lead IOU	2020 Program Contract Budget (Total for all IOUs)**	2021 Program Contract Budget (Total for all IOUs)**	2022 Program Contract Budget (Total for all IOUs)**	2023 Program Contract Budget (Total for all IOUs)**	Expected or Actual Contract Execution Date (MM/YYYY)***	Percent Electric	Propo Contra (Either agreemen agreemen within +/	act Cost p as reflect as reflect at, or exp ent. Fund	lectric & G Contributio per Load-SI ted in co-fur ected in co- fing share m Target per fi 1 above)	n to nare iding funding ay be	2020 Progr	am Contract E	xpenditures	by IOU**	2020 IOU Adn	iinistrative I	Expenditur	res^ E Re IC	21 Total Program Contract Expenditures, as eported by Lead DU** (YTD as of July 31, 2021)		ministrative E s of July 31, 2		21	022 IOU Admini	strative Budget	₅ ^	202	3 IOU Administra	itive Budgets	^
								PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE SI		21 Total Contract Expenditures	PG&E	SDG&E	SCE SCG	PG&E	SDG&E	SCE	SCG	PG&E	SDG&E	SCE	SCG
Workforce education, and training: Career and workforce readiness		\$-	\$ 389,260	\$ 1,756,054	\$ 1,891,288	Aug-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ -	ş -	\$-	\$ -	s -	ş -	ş - ş	- \$	26,700	\$ 1,015	\$-	ş - ş -	\$ 204,159	\$ 3,231	\$ 10,312	\$ 14,500	\$ 212,628	\$ 3,262 \$	10,312	\$ 17,500
Res New Construction (all electric)		\$ 1.000.000	\$ 657,000	\$ 3,236,740	\$ 6,759,536	Jul-2021	100%	44.40%	15.50%	40.10%	0.00%	e .	c	ć	¢	c	¢	e e	\$		ş -	\$ -	ş - ş -	\$ 414,586	\$ 3,205	\$ 23,758	ş -	\$ 725,585	\$ 4,643 \$	23,758	\$-
Res New Construction (mixed fuel)		\$ 1,000,000	\$ 596,500	\$ 1,895,840	\$ 2,545,541	Jul-2021	80%	45.60%	13.96%	32.08%	8.36%	<u>ې د</u>	ş -	ə -	ə -	ې -	۰ ^۲	5 - 5	\$	-	ş -	\$ -	ş - ş -	\$ 378,930	\$ 2,425	\$ 11,132	\$ 42,500	\$ 493,180	\$ 2,628 \$	11,132	\$ 48,000
NonRes New Construction (all electric)		\$ 1.666.667	\$-	\$ 348,879	\$ 3,409,051	Dec-2020	100%	44.40%	15.50%	40.10%	0.00%	¢ .	c	, ,	c	c	¢	e e	\$		\$ 28,059		ş.ş.	\$ 258,878	\$ 3,528	\$ 2,560	\$ -	\$ 549,023	\$ 3,014 \$	2,560	\$-
NonRes New Construction (mixed fuel)	PG&E	\$ 1,000,007	\$-	\$ 983,492	\$ 8,746,903	Dec-2020	80%	45.60%	13.96%	32.08%	8.36%	,	ş -	ş -	ş -	, -	э -	2 - 2	\$	-	\$ 27,266	\$ -	ş - ş -	\$ 309,521	\$ 3,690	\$ 4,488	\$ 10,000	\$ 1,026,673	\$ 4,835 \$	5,776	\$ 12,500
Codes and Standards Advocacy (Appl)	PG&E	\$ 3,714,408	\$ 3,847,799	\$ 1,827,419	\$ 1,827,419	Jan-2020	80%					\$ 896,909	\$ 255,108	\$ 628,938	\$ 287,769	\$ 2,132,520	\$ 23,474	\$ - \$	- \$	1,452,681	\$ 1,052,057	\$21,625	ş.ş.	\$ 541,053	\$ 39,562	\$ 54,324	\$ 2,000	\$ 544,228	\$ 57,181 \$	54,324	\$ 2,300
Codes and Standards Advocacy (Bldg)		\$ 5,998,421	\$ 5,795,123	\$ 5,998,421	\$ 5,998,421	Jan-2020	80%	45.60%	13.96%	32.08%	8.36%	\$ 3,535,596	\$ 1,014,221	\$ 2,518,355	\$ 501,468	\$ 1,109,067	\$ 35,211	\$ - \$	- \$	2,855,322	\$ 1,089,047	\$28,918	ş - ş -	\$ 1,656,823	\$ 48,939	\$ 106,043	\$ 2,000	\$ 2,504,911	\$ 66,712 \$	106,043	\$ 2,300
Codes and Standards Advocacy (Natl)		\$ 3,442,171	\$ 3,512,080	\$ 5,329,160	\$ 5,329,160	Jan-2020	80%				1	\$ 1,992,822	\$ 567,109	\$1,398,747	\$ 310,524	\$ 189,864	\$ 20,540	\$ - \$	- \$	3,272,165	\$ 120,533	\$21,083	ş - ş -	\$ 597,327	\$ 39,378	\$ 65,371	\$ 2,000	\$ 596,203	\$ 57,018 \$	65,371	\$ 2,300
Institutional Partnerships, DGS & Dept of Corrections		\$-	\$ 120,000	\$ 1,490,351	\$ 4,230,309	May-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ -	\$-	\$ -	\$ -	\$ -	ş -	\$ - \$	- \$	-	\$-	\$ -	\$-\$-	\$ 405,358	\$ 3,088	\$ 8,751	\$ 14,500	\$ 748,491	\$ 3,178 \$	8,751	\$ 17,500
WE&T K-12 Connections		ş -	\$ 85,000	\$ 1,000,000	\$ 1,000,000	Aug-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ - :	\$-	\$-	\$ -	\$ -	\$-	\$ - \$	- \$	21,500	\$ 4,005	\$ -	ş-ş-	\$ 167,642	\$ 2,883	\$ 5,872	\$ 14,500	\$ 170,745	\$ 2,900 \$	5,872	\$ 17,500
Water/wastewater pumping		ş -	\$ -	\$ 1,988,742		Apr-2022	80%			32.08%		\$ - :	\$-	\$-	\$ -	\$ -		\$ - \$		-	\$ -		ş-ş-	\$ 325,526				\$ 402,588			\$ 18,000
Lighting (Upstream)	SCE	ş -	\$ 7,488,000	\$ 13,737,600	\$ 14,042,880	Sep-2020	100%	44.40%	15.50%	40.10%	0.00%	\$ - :	ş -	\$-	\$-	\$-	ş -	\$ - \$	- \$	-	\$-	\$ -	ş - ş -	\$ 381,996	\$ 16,695	\$ 291,508	ş -	\$ 411,089	\$ 14,848 \$	291,508	s -
ETP, electric	JCC	ş -	\$ -	\$ 14,857,972			100%	44.40%	15.50%	40.10%		\$ - :	\$-	\$-	\$ -	\$ -		\$ - \$		-	\$ -	\$ -	ş-ş-		\$ 167,639				\$ 220,561 \$		\$-
Institutional Partnerships, UC/CSU/CCC		ş -	\$-	\$ 1,988,742		Feb-2022	80%	45.60%			8.36%	\$ -	ş -	\$-	\$ -	\$ -		\$ - \$		-	\$ -	\$ -	\$ - \$ -	\$ 336,778				\$ 414,237		36,114	
ETP, gas		\$ -	\$ 144,325			Jun-2021	0%			0.00% 4		\$ - :	\$ -	\$ -	\$ -	\$ -		\$ - \$		-		\$ -	ş-ş-	\$ 341,833			\$ 310,738				\$ 320,933
Food Service POS	SCG			\$ 15,333,260		Dec-2020	40%	48.00%		16.04%		\$ - :	ş -	\$ -	\$ -	\$ -		\$ - \$		1,426,644		\$ -	\$ - \$ -	\$ 569,189			\$ 349,768	\$ 638,207			
Midstream Comm Water Heating		\$ -	\$ 7,324,277	\$ 14,690,333			40%	48.00%		16.04%		\$ - :	\$ -	\$ -	\$ -	\$ -		\$ - \$		468,574	_	\$ -	\$ - \$896	\$ 500,620	\$ 8,134	\$ 43,131	\$ 329,239	\$ 563,974		43,131	\$ 341,942
Res HVAC QI/QM		\$ -	\$ -	\$ -		Aug-2022	80%	45.60%		32.08%		\$ - :	\$ -	\$ -	\$ -	\$ -		\$ - \$		-	\$ -	\$ -	\$ - \$ -	\$ -	\$ -	\$ -	\$ -		\$ 616,495 \$	- 3	\$ 20,000
Plug Load and Appliance	SDG&E	~		\$ 14,735,004			80%	45.60%		32.08%	8.36%	\$ - :	ş -	\$ -	\$ -	\$ -		\$ - \$		-	\$ -	\$ -	\$ - \$ -		\$ 1,357,882		\$ 20,000		\$ 1,367,330 \$		
Upstream HVAC (Comm + Res)					\$ 13,681,748		80%	45.60%	13.96%	32.08%	8.36%	\$ - :	\$ -	\$ -	\$ -	\$ -		\$ - \$		1,745,041		\$ 179,796	Ş -		\$ 1,105,384				\$ 1,009,270 \$		
Total		\$ 15.821.667	\$ 50.017.656	\$ 116.349.047	\$ 162.719.112							S - 1	\$ 1.836.438	\$4,546,040	\$1,099,761	\$ 3,431,451	\$ 79.225	5 - 5	- \$	11.268.627	\$ 2.321.982	\$ 251,422	\$ - \$896	\$ 8.641.255	\$ 2.839.535	\$ 1.245.174	\$ 1.161.745	\$ 12.041.036	\$ 3,485,052 \$	1.246.462	5 1.246.643

*Modify rows as needed to reflect consolidation or division of a program category per solicitation approach or contracts. Ultimately there should be one line per executed 3P contract. **The contract budget or signed contract amount for a given year accounts for the anticipated launch date of the program. **Program contract budgets reflect third pary implementation contract values and expenditures.** Administrative budgets for statewide programs are (DU specific and are filled under separate program (DT and the applied effect on separate program contract budgets reflect third pary implementation contract values and expenditures. **Taunch datas semus that the signed contracts filled val. At are approved by ED in 90-daps, where applicable.

BP Decision (D.18-05-041): OP 23. The 25 percent requirement for statewide funding articulated in D.16-08-019 shall be calculated as a proportion of the utility program administrator's total portfolio budget, including evaluation, measurement, and verification funding, but excluding funding allocated to other program administrators for other (non-statewide) programs. The percentage requirement for statewide program funding for the Southern California Gas Company shall be reduced to 15 percent, but remain 25 percent for the other utility program administrators consistent with D.16-08-019.

	INPUT TABLE: DO NOT MODIFY												
IOU	Percent PPP Electric	Percent PPP Gas			Electric Proportional Share	Gas Proportional Share							
PG&E	80%	20%			44.4%	50.4%							
SDG&E	90%	10%			15.5%	7.8%							
SCE	100%	0%			40.1%	0.0%							
SoCalGas	0%	100%			0.0%	41.8%							

ADVICE LETTER 3268-E-A/2701-G-A (San Diego Gas & Electric Company - U902 M) ADVICE LETTER 5346-6-A (Southern California Gas Company - U904 G) ADVICE LETTER 3861-E-A (Southern California Edison Company - U338 E) ADVICE LETTER 5373-E-A/4009-G-A (Pacific Gas & Electric Company - U39 M)

05,048 2 2,240 5,052	Loncar IIIN 11,546,000 54,247,001 12,548,387 14,549,264 4,3133,205 4,3133,205 102,264 4,3133,205 102,264 102,2	PA forcad two switch 2,655 2,581 2,581 2,581 2,581 3,591 3,591	PA forecast Deems 7,048,435 2,510,227 7,003,558 134,293 134,293 276,375 148,233,077 18,233,077 18,233,077 248,665 276,378 248,665 279,325 248,655 248,5555 248,555 248,5557 248,555 248,5557 248,5557	PA Forecast Eac Co2 558,808 132,565 132,708 5,871 	PA Forecast Garcoz 41,378 44,378 46,230 786 786 786 786 786 786 786 786 786 786	55.101.969 531.408.602 531.408.602 531.408.602 531.408.602 531.402.508 531.502.508 531.502.508 531.502.500 531.502.500 531.502.500 531.702.007 531.502.507 531.702.505 531.402.508 531.40	PA forecad 1997.	PA forecast WW W 42,275.20 50,056.42 50,056.42 50,056.42 50,056.4 6,4705.91 6,4705.91 6,4705.91 78,719 78,	######################################	15,678.38 8,954.56 5,837.11 10,335.29 122,681 (238.06) 551.63 551.63 551.63 132.00 132.00	P P Forces (54:00) (54
0.6 2 0.75,029 2	54,247,601 67,979,031 22,624,307 16,649,656 48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 	9,157 4,806 2,655 	2,510,227 7,903,558 134,293 360,186 276,378 18,233,077 245,665 111,698 14,825 7,849 3,388 3,388 	13,565 17,768 5,877 12,560 12,526 112,526 662 139 42 10 0	14,750 46,236 786	38 117,517 55 10,560 51,488,550 51,488,550 51,488,550 51,488,550 51,488,550 51,458,550 51	58,136,658,58 57,920,192,55 33,154,444 33,154,444 33,064,192,65 38,064,192,65 38,064,192,65 38,064,192,65 38,064,192,65 31,1572,398,44 3,930,058,78 2,232,775,05	10,458.42 5,078.50 3,679.07 4,758.56 6,470.91 78,719 916.77 916.77 916.77 366.52 138.73	#30102807401 #3010280740 224,065.81 123,316.16 17,698,027 228,663.07 117,449.23 107,567.54 10,240.78 46,448.78	15,037.44 15,678.38 8,954.55 5,837.11 10,335.29 122,681 (238.06) 551.63 574.05 132.00 132.00	18, 30, 1, 4, 10 10
95.029 45.026 45.026 50 50 50 50 50 50 50 50 50 50 50 50 50	54,247,601 67,979,031 22,624,307 16,649,656 48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 	9,157 4,806 2,655 	2,510,227 7,903,558 134,293 360,186 276,378 18,233,077 245,665 111,698 14,825 7,849 3,388 3,388 	13,565 17,768 5,877 12,560 12,526 112,526 662 139 42 10 0	14,750 46,236 786	55.101.969 531.408.602 531.408.602 531.408.602 531.408.602 531.402.508 531.502.508 531.502.508 531.502.500 531.502.500 531.502.500 531.702.007 531.502.508 531.702.508 531.40	58,136,658,58 57,920,192,55 33,154,444 33,154,444 33,064,192,65 38,064,192,65 38,064,192,65 38,064,192,65 38,064,192,65 31,1572,398,44 3,930,058,78 2,232,775,05	10,458.42 5,078.50 3,679.07 4,758.56 6,470.91 78,719 916.77 916.77 916.77 366.52 138.73	#30102807401 #3010280740 224,065.81 123,316.16 17,698,027 228,663.07 117,449.23 107,567.54 10,240.78 46,448.78	15,037.44 15,678.38 8,954.55 5,837.11 10,335.29 122,681 (238.06) 551.63 574.05 132.00 132.00	18, 30, 1, 4, 10 10
28.861 50 50 50 50 50 50 50 50 50 50	67,979,031 22,624,397 16,649,656 48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 50,209	4,806 2,655 - - - - - - - - - - - - - - - - - -	7,903,558 134,293 	17,708 5,871	46,236 786 - - - 1,617 - - - 107,159 95 87 87 4 4 - - - - - - - -	S1.484.605 S2.482.524 S2.424.524 S2.524.524 S2.524 S2.5	57,902,192,55 33,154,444,36 23,494,102,68 38,064,192,68 444,915,016 11,523,985,41 3,970,054,78 2,282,75,08 513,870,55	5,078.50 3,679.07 4,758.56 6,470.91 78,719 916.77 366.52 138.73 252.47	######################################	15,678.38 8,954.56 5,837.11 10,335.29 122,681 (238.06) 551.63 551.63 551.63 132.00 132.00	30,0 1, 4, 10 10
20.002 20.002 50	22,624,397 16,649,565 48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 50,209	2,655 	134,293 360,186 276,378 28,655 11,698 14,825 749 - - - - - -	5,871 	786 2,393 - 1,617 - 107,159 2,335 95 87 4 - - - 200 - - -	\$1.382,588 53.582,583 53.545,584 53.545,584 53.750,000 53.66,584,684 53.750,700 53.682,584 53.77,700 53.750,777,700 53.750,777,700 53.742,770,000 53.742,770,000 53.742,770,000 53.742,770,000 53.742,700 53.7	33,154,444.36 23,494,102.68 38,064,192.69 444,915,016 11,522,985.41 3,930,058,78 2,232,775.08 513,870 5 513,870 5	3,679.07 4,758.56 6,470.91 78,719 476.79 916.77 366.52 138.73 	224,065.81 800,595.65 123,316.16 17,698,027 228,663.07 117,449.23 107,567,54 10,240.78 46,448.78	8,954.56 5,837.11 10,335.29 122,681 (238.06) 551.63 551.63 574.05 132.00 170.27	1, 4, 10 10
50 50 50 50 50 50 50 50 50 50	16,649,656 48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 	2,581 - - - - 70,350 - - - - - - - - - - - - - -	360,186 276,378 248,665 11,698 14,823 749	3,914 112,620	2,333 1,617 107,159 2,335 95 95 87 7 4	50 514,835,39 513,500,000 513,737,625 511,723,007 511,	23,494,102,68 38,064,192,68 444,915,016 11,523,985,41 3,930,058,78 2,222,775,08 513,8770,55 665,799,84	4,758.5 6,470.91 78,719 476.79 916.77 366.52 138.73 252.47	800,595,655 123,316,16 17,698,027 228,663.07 117,449,23 197,567,54 10,240.78 46,448.78	5,837.11 10,335.29 122,681 (238.06) 551.61 574.05 132.00 132.00	4, 10 3, 1, 1,
50 50 52 2150 53 2150 54 2150 55 217 57 215 50 55 55 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50	48,519,205 425,579,899 6,507,799 680,065 169,256 38,512 50,209	6,941 70,350 1,296 123 28 10 	276,378 276,378 18,233,077 248,665 11,698 14,825 749 - - -	12,660 112,526 112,526 139 42 100	1,617 1,617 107,159 2,335 95 87 4 - - - - -	50 54,643,445 51,700,000 53,47,527,620 53,47,527,620 53,47,527,620 53,47,527,620 53,47,527,620 53,47,528,654 51,443,492 51,443,492 51,443,495 52,437,468 0,622 52,347,468 0,622 53,437,668 0,622 53,437,668 53,437,668 53,437,668 53,437,668 53,437,668 53,437,658 53,437,658 53,437,658 53,437,658 53,437,658 53,437,658 53,437,658 53,437,658 53,437,658 53,558 53,557,658 53,558 54,558558 54,5585555555555	38,064,192.68 444,915,016 11,523,985,41 3,930,058.78 2,232,775,08 513,870.50 665,799,84	476.79 916.77 366.52 138.73 - 252.47	123,316.16 17,698,027 228,663.07 117,449.23 197,567.54 10,240.78 46,448.78	(238.06) (23	10 10 3, 1, 1, 1,
21.510 64.983 64.983 74.657 2.15 0.150 0.556 0.556 0.5565 0.5565 0.25	425,579,899 6,507,799 680,065 169,256 38,512 - 50,209 - -	- 70,350 1,296 123 28 10 - - - -	18,233,077 248,665 11,698 14,825 749 - - 3,388 -	- 112,526 112,526 139 42 100 - 12 - - -	- 107,159 2,335 95 87 4 - 20 - -	5.654,886 517,00000 5186,308,909 517,00000 5187,507,007 2,090 511,721,007 511,720,555 511,720,555,555,555,555,555,555,555,555,555,5	444,915,016 11,523,985,41 3,930,058.78 2,232,775.68 513,870.50 665,799.84	78,719 476.79 916.77 366.52 138.73 	17,698,027 228,663.07 117,449.23 197,567.54 10,240.78 46,448.78	122,681 (238.06) 551.63 574.05 132.00	
0.000 0.000 1.1627 1.23 0.155 0.155 0.155 0.155 0.155 0.155 0.155 0.055 0.	425,579,899 6,507,799 680,065 169,256 38,512 - 50,209 - -	- 70,350 1,296 123 28 10 - - - -	18,233,077 248,665 11,698 14,825 749 - - 3,388 -	- 112,526 112,526 139 42 100 - 12 - - -	- 107,159 2,335 95 87 4 - 20 - -	\$17,000,000 \$1816,335,900 \$1816,335,900 \$1816,335,900 \$1816,327,806 \$11,721,007 \$2,888,624 \$11,721,007 \$2,888,624 \$11,732,007,	444,915,016 11,523,985,41 3,930,058.78 2,232,775.68 513,870.50 665,799.84	78,719 476.79 916.77 366.52 138.73 	17,698,027 228,663.07 117,449.23 197,567.54 10,240.78 46,448.78	122,681 (238.06) 551.63 574.05 132.00	
94,948 4 1,28 4 1,28 4 2,15 5 2,15 5 4,288 5 5,509 5 50 5 </td <td>6,507,799 680,065 169,256 38,512 - 50,209 -</td> <td>1,296 123 28 10 - - - -</td> <td>248,665 11,698 14,825 749</td> <td>662 139 42 10 - - 12 - -</td> <td>2,335 95 87 4 - 20 -</td> <td>5186,388,909 5187,327,806 5147,327,806 5147,327,806 5147,327,806 511,721,807 511,721,807 511,721,807 513,721,804 519 513,422,915 514,422,915 514,422,4</td> <td>11,523,985.41 3,930,058.78 2,232,775.08 513,870.50 665,799.84</td> <td>476.79 916.77 366.52 138.73 - - - - -</td> <td>228,663.07 117,449.23 197,567.54 10,240.78 46,448.78</td> <td>(238.06) 551.63 574.05 132.00</td> <td>3, 1, 1, 1,</td>	6,507,799 680,065 169,256 38,512 - 50,209 -	1,296 123 28 10 - - - -	248,665 11,698 14,825 749	662 139 42 10 - - 12 - -	2,335 95 87 4 - 20 -	5186,388,909 5187,327,806 5147,327,806 5147,327,806 5147,327,806 511,721,807 511,721,807 511,721,807 513,721,804 519 513,422,915 514,422,915 514,422,4	11,523,985.41 3,930,058.78 2,232,775.08 513,870.50 665,799.84	476.79 916.77 366.52 138.73 - - - - -	228,663.07 117,449.23 197,567.54 10,240.78 46,448.78	(238.06) 551.63 574.05 132.00	3, 1, 1, 1,
1,28 2,15 2,15 2,15 2,15 2,15 2,15 2,15 2,15	6,507,799 680,065 169,256 38,512 - 50,209 -	1,296 123 28 10 - - - -	248,665 11,698 14,825 749	662 139 42 10 - - 12 - -	2,335 95 87 4 - 20 -	\$347,257,656 \$347,257,656 \$2,09 \$11,721,007 \$2,880,634 \$5,484,382 \$5,784,382 \$5,784,575 \$5,782,588 \$5,842,575 \$5,782,588 \$5,842,575 \$5,782,588 \$5,842,575 \$5,782,588 \$5,842,575 \$5,782,588 \$5,263,331 \$0,075 \$5,265,331 \$0,075,055 \$5,055,351 \$5,055,355	11,523,985.41 3,930,058.78 2,232,775.08 513,870.50 665,799.84	476.79 916.77 366.52 138.73 - - - - -	228,663.07 117,449.23 197,567.54 10,240.78 46,448.78	(238.06) 551.63 574.05 132.00	3, 1, 1, 1,
46,288 55,461 20,058 55,461 22,0058 50 50 50 50 50 50 50 50 50 50	680,065 169,256 38,512 - 50,209 - -	123 28 10	11,698 14,825 749 3,388	139 42 10	95 87 4 - 20 -	3280,614 51,944,392 57,72,47 51,135,603 50,842,75 54,842,85 50,652,76 53,741,988 50,652 53,741,988 50,652 53,741,988 53,741,986 53,7448,905 53,7448,905 53,7448,905 50,652,763,331 50 50 50 50 50 50 50 50 50 50	3,930,058.78 2,232,775.08 513,870.50 665,799.84	916.77 366.52 138.73 252.47	117,449.23 197,567.54 10,240.78 46,448.78	551.63 574.05 132.00 170.27	1,
46,288 55,461 20,058 55,461 22,0058 50 50 50 50 50 50 50 50 50 50	680,065 169,256 38,512 - 50,209 - -	123 28 10	11,698 14,825 749 3,388	139 42 10	95 87 4 - 20 -	3280,614 51,944,392 57,72,47 51,135,603 50,842,75 54,842,85 50,652,76 53,741,988 50,652 53,741,988 50,652 53,741,986 53,748,906 53,748,906 53,7448,906 53,7448,906 50,652 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,752 50,752 50,	3,930,058.78 2,232,775.08 513,870.50 665,799.84	916.77 366.52 138.73 252.47	117,449.23 197,567.54 10,240.78 46,448.78	551.63 574.05 132.00 170.27	1,
46,288 55,461 20,058 55,461 22,0058 50 50 50 50 50 50 50 50 50 50	680,065 169,256 38,512 - 50,209 - -	123 28 10	11,698 14,825 749 3,388	139 42 10	95 87 4 - 20 -	3280,614 51,944,392 57,72,47 51,135,603 50,842,75 54,842,85 50,652,76 53,741,988 50,652 53,741,988 50,652 53,741,986 53,748,906 53,748,906 53,7448,906 53,7448,906 50,652 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,752 50,752 50,	3,930,058.78 2,232,775.08 513,870.50 665,799.84	916.77 366.52 138.73 252.47	117,449.23 197,567.54 10,240.78 46,448.78	551.63 574.05 132.00 170.27	1,
46,288 55,461 20,058 55,461 22,0058 50 50 50 50 50 50 50 50 50 50	680,065 169,256 38,512 - 50,209 - -	123 28 10	11,698 14,825 749 3,388	139 42 10	95 87 4 - 20 -	3280,614 51,944,392 57,72,47 51,135,603 50,842,75 54,842,85 50,652,76 53,741,988 50,652 53,741,988 50,652 53,741,986 53,748,906 53,748,906 53,7448,906 53,7448,906 50,652 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,652,752 50,752 50,752 50,	3,930,058.78 2,232,775.08 513,870.50 665,799.84	916.77 366.52 138.73 252.47	117,449.23 197,567.54 10,240.78 46,448.78	551.63 574.05 132.00 170.27	1,
55,461 20,058 20,058 94,608 20,058 95,121 25,030 50 50 50	169,256 38,512 50,209	28 10 - - - -	14,825 749 3,388	42 10 12	87 4 - 20 -	\$1,944,392 \$577,747 \$13,357,605 \$5,878,988 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50	2,232,775.08 513,870.50 665,799.84	366.52 138.73	197,567.54 10,240.78 46,448.78	574.05 132.00 170.27	1
20,058 20,058 34,608 55,121 50 50 50 50 50 50 50 50 50 50	38,512 - - - - -	10	749	10 	4 20 .	5573,747 \$11,352,603 \$5,462,576 \$8,781,988 \$00 \$23,177,068 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,070,075 \$23,177,075 \$23,177,075 \$23,177,075 \$23,177,075 \$23,177,075 \$23,177,075 \$23,17	513,870.50 665,799.84	138.73 252.47	10,240.78	132.00 170.27	
94,608 95,111 55,030 50 50 50 50 50 50 50 50 50 5	- 50,209 - -	- 19 - -	3,388		20	\$11,352,603 \$5,462,576 \$8,781,988 \$0 \$0 \$0 \$23,177,068 \$0,76 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,448,906 \$3,462,718,948 \$0,756 \$0 \$0 \$0 \$1,075,055 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	665,799.84	252.47	46,448.78	170.27	
95,121 25,030 50 50 50 50 50 50 50 50 50 5			• • •			\$5,462,576 \$8,781,980 \$0 \$0 \$42,718,946 \$23,177,068 0.62 0.76 \$3,448,906 \$3,448,906 \$3,448,906 \$3,263,331 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0					
50 50 50 55 50 50 50 50 50 50 50 50 50 5	7,445,842	- - - 1,476 - - - - - - - - - - - - - - - - - - -	279,325	- - - - - - - - - - - - - - - - - - -		\$0 \$42,718,946 \$23,177,068 0.62 0.76 \$3,448,906 \$5,263,331 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	- - - - - - - - - - - - - - - - - - -	· · · · · · · · · · · · · · · · · · ·		1,190	
50 50 56,717 73,561 0.21 0.31 50 50 50 50 50 50 50 50 50 50	- 7,445,842 - - - - - - - - - - - - - - - - - - -	· · · · · · · · · · · · · · · · · · ·	. 279,325	- 865 - - - - - - - - - - - - - - - - - - -	- 2,541	\$0 \$42,718,946 \$23,177,068 0.62 0.76 \$3,448,906 \$5,263,331 \$00 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$		· 2,151	600,369	· 1,190	
36,717 0.21 0.31 50 50 50 50 50 50 50 50 50 50	7,445,842	- 1,476	279,325	- 865	- 2,541	\$42,718,946 \$23,177,068 0.62 0.76 \$3,448,906 \$5,263,331 \$00 \$00 \$00 \$00 \$1,075,055 \$00 \$00 \$1,075,055 \$00 \$00 \$00 \$00 \$00 \$00 \$00	18,866,490	2,151	600,369	· 1,190	
3,561 0,21 0,31 50 50 50 50 50 50 50 50 50 50 50 50 50	7,445,562	1,476		865 		\$23,177,068 0.62 0.76 \$3,448,906 \$5,263,331 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$5,055 \$1,075,055 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	18,856,490	2,151		1,190	
0.21 0.31 50 04,883 50 50 50 50 50 50 50 50 50 50 50 50 50	- - - - - - - - - - - - - - - - - - -					0.62 0.76 53,448,906 55,263,331 50 50 50 50 50 50 50 50 50 50 50 50 50					
50 04,883 50 50 50 50 50 50 50 50 50 50					-	\$3,448,906 \$5,263,331 \$0 \$0 \$0 \$0 \$0 \$1,075,055 \$0					
04,883 50 50 50 50 50 13,589 04,920 50 50 50 23,391 11,220 0.19 0.19 0.19 0.19 0.19 0.19 0.19						\$5,263,331 \$0 \$0 \$0 \$0 \$1,075,055 \$0					
04,883 50 50 50 50 50 13,589 04,920 50 50 50 23,391 11,220 0.19 0.19 0.19 0.19 0.19 0.19 0.19	- - - - - - - - - - -				-	\$5,263,331 \$0 \$0 \$0 \$0 \$1,075,055 \$0					
04,883 50 50 50 50 50 13,589 04,920 50 50 50 23,391 11,220 0.19 0.19 0.19 0.19 0.19 0.19 0.19	- - - - - - - -	•				\$5,263,331 \$0 \$0 \$0 \$0 \$1,075,055 \$0					
S0 S0 13,589 04,920 S0 S0 23,391 (1,220 0.19 0.19 0.19 0.5,198 2	- - - - -	•	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		\$0 \$0 \$1,075,055 \$0		· · · · · · · · · · · · · · · · · · ·	-	-	
\$0 13,589 04,920 \$0 \$0 23,391 11,220 0.19 0.19 0.19 0.50 8 11,220 0.19 0.1		· ·		· · · · · · · · · · · · · · · · · · ·		\$0 \$0 \$1,075,055 \$0					
13,589 04,920 50 23,391 11,220 0.19 0.19 05,198 2				· · · · · · · · · · · · · · · · · · ·		\$0 \$1,075,055 \$0		-			
04,920 \$0 \$0 23,391 11,220 0.19 0.19 0.5,198 2	-	· · · · · · · · · · · · · · · · · · ·				\$1,075,055 \$0					
\$0 \$0 23,391 (1,220 0.19 0.19 0.19 0.5,198 2			• •			\$0					-
23,391 11,220 0.19 0.19 05,198 2											
0.19 0.19 0.19 05,198 2						\$0					
						\$9,787,292					
						\$0					
						0.00					
	222.067.807	45.505	7.297.100	59,469	43.713		245.687.410.21	48.749.99	*******	66.600.49	51.
	54.927.666	45,505	2.521.925	13.704	43,/13	\$54,309,449 \$64,245,934	245,687,410.21 62.066.717.36	48,749.99			51,
	68,148,287	4,834	7,918,382	17,750	46,323	\$33,442,797	60,134,967.63	5,445.03		16,252.43	31,
	22,662,909	2,666	135,042	5,881	790	\$21,956,306	33,668,314.86	3,817.80	234,306.59	9,086.57	1,
94,608	-	- 2 685	-	4 535	- 2 384	\$11,352,603			. 847 044 43		5
58,083	19,049,547	2,685	358,739	4,535	2,384	\$22,046,170	24,159,902.52	5,011.03	847,044.43	6,007.38	5,
	48,519,205	6,941	276,378	12,660	1,617	\$4,654,846	38,064,192.68	6,470.91	123,316.16	10,335.29	
00,000			-			\$17,000,000					
22,091 4	435,375,422	71,911	18,507,567	113,999	109,672	\$238,865,147	463,781,505	80,870	18,298,396	123,871	1
5	553,000,000	75,000	13,000,000				597,000,000	81,000	14,000,000		
	78.7%	95.9%	142.4%				77.7%	99.8%	130.7%		
906,121						\$10,985,749 \$3,021,081					
06,938						\$7,964,668					
58,463						\$370,704,694					
1.07						1.18					
0.72						1.69					
24,815 1,2	1,202,765,304	212,173	19,198,912	315,650	112,314	\$24,792,832	1,268,882,418	248,459	22,446,478	343,859	1
						\$274,643,728					
337,234						\$0					
08,048						\$69,349,755					
\$0						\$0					
100,010						445/510/10/100	1				
123,042						\$5+5,993,483	ł				
18%						20%					
70,997						\$354,508,439					
166 435						622.465.000					
						26.682.993	1				
-							1				
12,365						5,782,675]				
-											
						\$15,362,756	1				
\$3,951						15,362,756					
-						-					
7,4 3,9 0,9 4,4 7 7	7,653,027 3,937,234 0,908,048 50 0,908,048 4,623,842 18% 4,623,842 18% 4,624,060 754,060 - 712,365 - 4,388,951	263.027 2000.0400 2000.040 2000.040 2000.040 2000.0400 2000.0400 2000.0400 2000.0400	2650.027 3037.228 3037.238 50 505.000	2650.027 3037.228 3037.238 50 505.000	2650.07 307.234 307.244 50 50 50 50 50 50 50 50 50 50 50 50 50	265307 265307 5030404 5030504 4573345 4573345 4573345 457305 772 772 772 772 772	2550.07 2550.07 250.05 250.	2630.027 2630.027 2630.028 2600.048 2600.0	2650.07 5274.647.72 3937.234 9 3937.234 9 3937.234 9 3937.234 9 59 9 59 9 3937.234 554.3993.443 4873.847 554.3993.443 488 200 575.0507 555.392.70 759.0507 553.482.70 759.0507 553.484.668 772.385 5.782.67 148.953 533.382.70	2550.07 2550.07 250.05 250.	2630.02 2630.02 2630.02 260.04 260.349.75 260.349.75 260.349.75 260.349.75 260.349.75 261.345.86 261.345

 10
 Details (1)
 De

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023

Table 8 - Caps & Targets

		2022 Energy Efficience	y Cap And Target Expe	enditure Project	tions			2023 Energy Efficient	cy Cap And Target Exp	enditure Project			
			Expenditures		Cap & Ta	arget Perfor	rmance		Expenditures		Cap & T	arget Perfor	mance
Line	idget Category	Non-Third Party Qualifying Costs (including PA costs and old- definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs ² (Local SW, CEC & AB 841)	Total Portfolio	Percent of Budget ^{\$}	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old- definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs ² (including SW)	Total Portfolio	Percent of Budget ⁸	Cap %	Target %
1	Administrative Costs												
2	PA ¹	\$ 15.100.745		\$ 15,100,745	4.6%	10.0%		\$ 16,445,657		\$ 16,445,657	4.8%	10.0%	
3	Non-PA Third Party & Partnership ²	\$ 4,082,846	\$ 7,671,104	\$ 11,753,951	3.5%		10.0%	\$ 2,427,905	\$ 10,424,030	\$ 12,851,935	3.7%		10.0%
4	PA & Non-PA Target Exempt Programs ³	\$ 3,843,379	\$ 944,484	\$ 4,787,864				\$ 3,508,388	\$ 1,043,991	\$ 4,552,379			
5	Marketing and Outreach Costs ⁴												
6	Marketing & Outreach	\$ 5,252,872	\$ 5,277,502	\$ 10,530,375	3.2%		6.0%	\$ 5,040,756	\$ 6,181,713	\$ 11,222,469	3.3%		6.0%
7	Statewide Marketing & Outreach 5	\$ 3,242,387		\$ 3,242,387				\$ -		\$-			
8	Direct Implementation Costs												
9	Direct Implementation (Incentives and Rebates)	\$ 30,819,037	\$ 42,984,261	\$ 73,803,298				\$ 24,019,341	\$ 57,744,378	ć 01 7C2 710			
-								+					
10	Direct Implementation (Non Incentives and Non Rebates)	\$ 29,461,613	\$ 54,772,922	\$ 84,234,535	25.4%		20.0%	\$ 30,282,046	\$ 69,745,300	\$ 100,027,346	29.1%		20.0%
11	Direct Implementation Target Exempt Programs (Non Incentives and Non Rebates) ³	\$ 26,348,218	\$ 11,187,921	\$ 37,536,139				\$ 22,727,487	\$ 14,066,988	\$ 36,794,474			
12	EM&V Costs (PA and Energy Division) ^{6,7}	\$ 9,906,121		\$ 9,906,121	3.1%	4.0%		\$ 10,985,749		\$ 10,985,749	3.3%	4.0%	
12a	EM&V - PA	\$ 2,999,183		\$ 2,999,183				\$ 3,021,081		\$ 3,021,081			
12b	EM&V - ED	\$ 6,906,938		\$ 6,906,938				\$ 7,964,668		\$ 7,964,668			
13	Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O) ⁸	\$ 128,057,219	\$ 122,838,195	\$ 250,895,414				\$ 115,437,328	\$ 159,206,399	\$ 274,643,728			
14	CEC AB 841 (per CPUC Code Section 1613 counts as a Third Party Program as defined in D.18-08-019, OP 10)		\$ 80,908,048	\$ 80,908,048					\$ 69,349,755	\$ 69,349,755			
15	PA Spending Budget Request (PA Program and EM&V + CEC AB 841) ⁹			\$ 331,803,462						\$ 343,993,483			
16	Total Third-Party Implementer Contracts + CEC AB 841 (as defined per D.16-08-019, OP 10 and D.21-01-xxx OP) 10,11		\$ 203,746,243		64.8%		40.0%		\$ 228,556,154		69.9%		60.0%

Notes:

1. 10% cap requirement based on D. 09-09-047 is set for IOU only.

2. New Third party program definition per D.16-08-019, OP 10. For Row 3 of this table, the "Third Party & Partnership" administrative costs under the "Non-Third Party Qualifying Costs" column are costs for programs that met the old Third Party definition prior to the transition to the new third party definition.

3. Target Exempt Programs are Non-Resource Programs which include: Emerging Technologies, Workforce Education & Training, Strategic Energy Resources (SER) program, 3P Placeholder for Public LGPs, and Codes & Standards programs (excluding Building Codes Advocacy, Appliance Standards

4. Statewide Marketing & Outreach (SW ME&O) is excluded from the Marketing and Outreach cost target calculation per D.13-12-038, at p. 82.

5. Statewide ME&O requested budget for 2021 per AL 4355-G/6045-E. Decision 21-03-056, authorized the Statewide ME&O Flex Alert funding for 2022.

6. For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = \$0.

7. The EM&V percentage is based on PA's total portfolio budget of \$321,273,088 for 2022 and \$332,771,014 for 2023, which excludes SWME&O, RENs, CCAs and CEC AB 841. This is the Total in line 13, minus SWME&O in line 7.

8. As directed in the Energy Efficiency Policy Manual Version 5 July 2013, page 92, this total includes SW ME&O and excludes REN and CCA budgets and is the denominator used to calculate the IOU PA Admin, Marketing, and Direct Implementation Non-Incentives percentages.

9. IOU PA's 2022 Proposed Budget of \$328,561,075 excludes SWME&O budget of \$3,242,387 and includes CEC AB 841 budgets of \$80,908,048.

10. IOU PA's percentage for Third-Party Implementer Contracts uses \$314,561,075 for 2022 and \$326,993,483 for 2023 as its denominator, which is IOU PA Subtotal including EM&V and CEC AB 841, but excluding SWME&O, REN, and CCA and OBF Loan Pool. This is the Total in line 15 minus, minus 11. IOU's Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) includes third-party contract and incentive budgets and statewide qualifying contract and incentive budgets and CEC AB 841.

Pa Name:	Pacific Gas and Electric Company
Budget Year:	2022-2023
PORTFOLIO SUMMARY	

	2020 EE Portfolio Expenditures				2022 EE Portf	olio Budget			2023 EE Portfo	olio Budget		2020 EE Po	ortfolio Sa	vings**	2022 EE Portfe	olio Forecaste	ed Savings	2023 EE Portfolio Forecasted Savings		d Savings	
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	кw	MTHERMS	KWH	ĸw	MTHERMS	кwн	ĸw	MTHERMS
Residential	6,251,358	22,589,672	8,824,687	37,665,716	\$ 5,788,257	\$ 32,641,560	10,275,381	48,705,198	\$ 6,034,277	\$ 38,883,407	9,391,765	54,309,449	166,220,003	32,293	6,593,080	222,067,807	45,505	7,297,100	245,687,410	48,750	8,431,319
Commercial	9,914,052	17,742,019	15,365,547	43,021,618	\$ 9,170,665	\$ 21,979,573	22,695,963	53,846,200	\$ 10,134,552	\$ 27,244,217	26,867,164	64,245,934	55,286,644	8,659	2,709,667	54,927,666	9,280	2,521,925	62,066,717	11,375	3,206,227
Industrial	5,741,537	11,727,261	2,130,443	19,599,241	\$ 7,165,119	\$ 15,850,879	16,368,325	39,384,322	\$ 6,385,844	\$ 14,897,243	12,159,710	33,442,797	32,835,520	3,241	4,859,164	68,148,287	4,834	7,918,382	60,134,968	5,445	5,456,183
Agricultural	3,153,258	2,805,832	5,648,980	11,608,069	\$ 2,398,414	\$ 6,143,254	5,740,451	14,282,120	\$ 3,099,202	\$ 9,615,088	9,242,015	21,956,306	12,611,015	4,664	925,398	22,662,909	2,666	135,042	33,668,315	3,818	234,307
Public	5,042,603	10,489,776	5,922,604	21,454,983	\$ 3,397,720	\$ 9,137,184	4,723,179	17,258,083	\$ 3,716,504	\$ 11,226,601	7,103,065	22,046,170	23,127,766	2,746	510,461	19,049,547	2,685	358,739	24,159,903	5,011	847,044
Cross Cutting*	10,986,210	30,578,098	85,777	41,650,085	\$ 10,487,608	\$ 39,783,375	(0)	50,270,983	\$ 10,304,023	\$ 40,353,301	-	50,657,323	23,406,432	3,113	113,856	1,251,284,509	219,114	19,475,290	1,306,946,611	254,930	22,569,794
Total Sector Budget	41,089,018	95,932,657	37,978,037	174,999,712	\$ 38,407,783	\$ 125,535,825	59,803,298	223,746,906	\$ 39,674,403	\$ 142,219,857	64,763,719	246,657,979	313,487,380	54,716	15,711,627	1,638,140,726	284,083	37,706,478	1,732,663,924	329,329	40,744,874
EM&V-PA	1,456,428	681,223	100 C	2,137,651	\$ 1,164,996	\$ 1,834,187		2,999,183	\$ 1,206,004	\$ 1,815,077		3,021,081									
EM&V-ED	13,325	12,689,717		12,703,042	\$ -	\$ 6,906,938		6,906,938	\$ -	\$ 7,964,668		7,964,668									
OBF - Loan Pool	-		27,902,676	27,902,676	\$ -	\$ -	14,000,000	14,000,000	\$ -	\$ -	17,000,000	17,000,000									
CEC AB841				-	\$ -	\$ 80,908,048		80,908,048	\$ -	\$ 69,349,755		69,349,755									
PA Spending Budget Request																					
(PA Program and EM&V + CEC AB 841)	42,558,770	109,303,598	65,880,714	217,743,082	\$ 39,572,779	\$ 215,184,998	73,803,298	328,561,075	\$ 40,880,407	\$ 221,349,358	81,763,719	343,993,483	313,487,380.31	54,716	15,711,627	1,638,140,726	284,083	37,706,478	1,732,663,924	329,329	40,744,874
	s Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Finance.																				
** 2020 EE portfolio first-year net savings e	0 EE port/olio first-year net savings exclude savings from Codes and Standards advocacy programs as well as savings from RENs and CCAs																				

Pa Name: Budget Year: PORTFOLIO STAFFING

Pacific Gas and Electric Company 2022-2023

	2020 EE Portfolio	2022 EE Portfolio	2023 EE Portfolio
Functional Group	FTE	FTE	FTE
Policy, Strategy, and Regulatory Reporting Compliance	23.5	20.8	20.8
Program Management	70.9	67.6	67.6
Engineering Services	35.8	31.1	31.1
Customer Application/Rebate/Incentive Processing	11.9	11.3	11.3
Customer Project Inspections	1.8	4.9	4.9
Portfolio Analytics	1.1	1.1	1.1
EM&V	6.2	5.4	5.4
ME&O (Local)	8.2	6.4	6.2
Account Management / Sales	48.2	32.2	32.2
п	13.9	11.3	11.8
Call Center	1.2	2.0	2.0
Total	222.8	194.0	194.4

Pa Name: Pacific Gas and Electric Company

Budget Year: 2022-2023

RESIDENTIAL BUDGET DETAIL

RESIDENTIAL D	OD GET DETAIL		r	1	1
			2020 EE Portfolio		
Sector	Cost Element	Functional Group	Expenditures	2022 EE Portfolio Budget	2023EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$1.3	\$1.0	\$1.1
		Program Management	\$2.5	\$2.3	\$2.4
		Engineering services	\$0.1	\$0.3	\$0.4
		Customer Application/Rebate/Incentive Processing	\$0.2	\$0.3	\$0.2
		Customer Project Inspections	\$0.0	\$0.2	\$0.1
		Portfolio Analytics	\$0.1	\$0.0	\$0.1
		ME&O (Local)	\$0.4	\$0.6	\$0.6
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.8	\$0.9	\$0.9
		Call Center	\$0.4	\$0.1	\$0.1
	Labor Total		\$5.8	\$5.8	\$6.0
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$13.5	\$26.7	\$33.6
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$4.4	\$1.3	\$0.5
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.4	\$0.2	\$0.3
		Program Management	\$0.5	\$0.3	\$0.3
		Engineering services	\$0.2	\$0.5	\$0.6
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$2.1	\$2.1	\$2.0
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$1.9	\$1.5	\$1.7
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$6.9	\$2.7	\$0.0
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$2.0	\$7.5	\$9.4
	Non-Labor Total		\$31.8	\$42.9	\$48.3
Residential Tota	al		\$37.7	\$48.7	\$54.3
	Other (collected through GRC) (2)	Labor Overheads	\$0.8	\$0.8	\$0.8

Notes: (1) Labor costs are already loaded with (state loaders covered by EE)

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

Pa Name: Pacific Gas and Electric Company

Budget Year: 2022-2023

COMMERCIAL BUDGET DETAIL

			2020 EE Portfolio		
Sector	Cost Element	Functional Group	Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.9	\$0.7	\$0.9
		Program Management	\$1.9	\$2.3	\$2.5
		Engineering services	\$1.9	\$0.9	\$1.1
		Customer Application/Rebate/Incentive Processing	\$0.3	\$0.4	\$0.5
		Customer Project Inspections	\$0.2	\$0.3	\$0.3
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.8	\$0.7	\$0.7
		Account Management / Sales	\$2.8	\$3.5	\$3.7
		Π	\$0.7	\$0.3	\$0.5
		Call Center	\$0.0	\$0.1	\$0.1
	Labor Total		\$9.6	\$9.2	\$10.1
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.9	\$18.1	\$23.3
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$11.6	\$0.2	\$0.3
		Policy, Strategy, and Regulatory Reporting Compliance (3)	-\$0.1	\$0.2	\$0.2
		Program Management	\$0.3	\$0.2	\$0.2
		Engineering services	\$2.0	\$1.1	\$0.7
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$1.5	\$1.4	\$1.4
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$1.8	\$0.8	\$1.1
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$15.4	\$1.3	\$1.3
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$21.4	\$25.6
	Non-Labor Total		\$33.4	\$44.7	\$54.1
Commercial 1	otal (5)		\$43.0	\$53.8	\$64.2
	Other (collected through GRC) (2)	Labor Overheads	\$1.3	\$1.3	\$1.4

Notes: (1) Labor costs are already loaded with (state loaders covered by EE)

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

(3) Negative incentives primarily represents a reversal of an accrual from the previous year.

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 INDUSTRIAL BUDGET DETAIL

			2020 EE Portfolio		
Sector	Cost Element	Functional Group	Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Industrial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.5	\$0.9	\$0.7
		Program Management	\$1.3	\$2.0	\$2.0
		Engineering services	\$1.8	\$2.7	\$2.2
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.2	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.1	\$0.1	\$0.1
		Account Management / Sales	\$1.4	\$0.6	\$0.6
		П	\$0.4	\$0.4	\$0.4
		Call Center	\$0.0	\$0.1	\$0.1
	Labor Total		\$5.6	\$7.2	\$6.4
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.8	\$7.6	\$8.0
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$8.8	\$5.6	\$4.3
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.2	\$0.2
		Program Management	\$0.2	\$0.2	\$0.2
		Engineering services	\$0.6	\$1.1	\$1.3
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.1	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.1	\$0.1
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		П	\$1.0	\$1.0	\$0.8
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$1.9	\$10.0	\$4.7
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.3	\$6.3	\$7.5
	Non-Labor Total		\$14.0	\$32.2	\$27.1
Industrial Tota	l (5)		\$19.6	\$39.4	\$33.4
	Other (collected through GRC) (2)	Labor Overheads	\$0.8	\$1.0	\$0.9

Notes: 1 Labor costs are already loaded with (state loaders covered by EE)

2 These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 AGRICULTURAL BUDGET DETAIL

			2020 EE Portfolio		
Sector	Cost Element	Functional Group	Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Agricultural	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.3	\$0.3	\$0.5
		Program Management	\$0.6	\$0.7	\$0.9
		Engineering services	\$0.8	\$0.3	\$0.5
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.0	\$0.1
		Account Management / Sales	\$1.0	\$0.5	\$0.5
		П	\$0.2	\$0.2	\$0.3
		Call Center	\$0.0	\$0.0	\$0.1
	Labor Total		\$3.1	\$2.4	\$3.1
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.5	\$5.3	\$8.4
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$1.0	\$0.0	\$0.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.1	\$0.1
		Program Management	\$0.1	\$0.1	\$0.1
		Engineering services	\$0.4	\$0.2	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.4	\$0.1	\$0.1
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.4	\$0.4	\$0.6
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$5.6	\$0.9	\$0.6
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.1	\$4.8	\$8.6
	Non-Labor Total		\$8.5	\$11.9	\$18.9
Agricultural Tot	al (5)		\$11.6	\$14.3	\$22.0
	Other (collected through GRC) (2)	Labor Overheads	\$0.4	\$0.3	\$0.4

Notes: (1) Labor costs are already loaded with (state loaders covered by EE)

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022,

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 PUBLIC SECTOR BUDGET DETAIL

			2020 EE Portfolio		
Sector	Cost Element	Functional Group	Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Public Sector	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.5	\$0.5	\$0.5
		Program Management	\$1.7	\$1.6	\$1.7
		Engineering services	\$0.9	\$0.2	\$0.4
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.1	\$0.0	\$0.0
		ME&O (Local)	\$0.0	\$0.1	\$0.1
		Account Management / Sales	\$1.2	\$0.4	\$0.4
		IT	\$0.4	\$0.2	\$0.2
		Call Center	\$0.0	\$0.0	\$0.1
	Labor Total		\$4.8	\$3.4	\$3.7
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$1.3	\$7.2	\$10.2
		Local/Government Partnerships Contracts (3)	\$4.9	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$2.8	\$1.1	\$0.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.1	\$0.1
		Program Management	\$0.2	\$0.1	\$0.1
		Engineering services	\$0.3	\$0.1	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.1	\$0.0	\$0.0
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.9	\$0.5	\$0.6
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$5.9	\$1.8	\$0.4
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$2.9	\$6.7
	Non-Labor Total		\$16.6	\$13.9	\$18.3
Public Sector To	otal (5)		\$21.5	\$17.3	\$22.0
	Other (collected through GRC) (2)	Labor Overheads	\$0.7	\$0.5	\$0.5

Notes: 1 Labor costs are already loaded with (state loaders covered by EE)

2 These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

Pa Name:Pacific Gas and Electric CompanyBudget Year:2022-2023CROSS -CUTTING BUDGET DETAIL

			2020 EE	2022 EE	2023 EE				
	Cost Element Functional Group Labor(1) Policy, Strategy, and Regulatory Reporting Compliance Program Management Engineering services Customer Application/Rebate/Incentive Processing Customer Application/Rebate/Incentive Processing Portfolio Analytics Portfolio Analytics ME&O (Local) Account Management / Sales Image: Call Center Labor Total Non-Labor Third-Party Implementer (as defined per D.16-08-019, OP 10) Local/Government Partnerships Contracts Other Contracts Program Management Program Management Engineering services Customer Application/Rebate/Incentive Processing Customer Application/Rebate/Incentive Processing Customer Application/Rebate/Incentive Processing Customer Application/Rebate/Incentive Processing Customer Application/Rebate/Incentive Processing Customer Project Inspections Portfolio Analytics ME&O (Local) ME&O (Local) Account Management / Sales IT Customer Project Inspections Portfolio Analytics Image: Customer Project Inspections Customer Project Inspections Image: Customer Project Inspections IT Account Management / Sales IT		Portfolio	Portfolio	Portfolio				
Sector	Cost Element	Cost Element Functional Group							
Cross-Cutting	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.9	\$1.0	\$0.9				
		Program Management	\$5.7	\$5.3	\$5.4				
		Engineering services	\$1.9	\$2.4	\$2.2				
		Customer Application/Rebate/Incentive Processing	\$0.8	\$0.0	\$0.0				
		Customer Project Inspections	\$0.0	\$0.0	\$0.0				
		Portfolio Analytics	\$0.0	\$0.0	\$0.0				
		ME&O (Local)	\$0.3	\$0.3	\$0.3				
		Account Management / Sales	\$1.1	\$0.9	\$0.9				
		П	\$0.1	\$0.5	\$0.4				
		Call Center	\$0.0	\$0.1	\$0.1				
	Labor Total		\$10.9	\$10.5	\$10.3				
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$6.4	\$14.9	\$17.9				
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0				
		Other Contracts							
		Program Implementation	\$19.9	\$20.3	\$18.1				
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.3	\$0.2	\$0.2				
		Program Management	\$0.8	\$0.9	\$0.8				
		Engineering services	\$1.7	\$1.9	\$1.8				
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.0	\$0.0				
		Customer Project Inspections	\$0.0	\$0.0	\$0.0				
		Portfolio Analytics	\$0.0	\$0.0	\$0.0				
		ME&O (Local)	\$0.9	\$0.5	\$0.5				
		Account Management / Sales	\$0.0	\$0.0	\$0.0				
		Т	\$0.6	\$1.1	\$1.1				
		Call Center	\$0.0	\$0.0	\$0.0				
		Facilities	\$0.0	\$0.0	\$0.0				
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$0.1	\$0.0	\$0.0				
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$0.0	\$0.0				
	Non-Labor Total		\$30.8	\$39.8	\$40.4				
Cross-Cutting Total	(5)		\$41.6	\$50.3	\$50.7				
	Other (collected through GRC) (2)	Labor Overheads	\$1.5	\$1.4	\$1.4				

Notes: (1) Labor costs are already loaded with (state loaders covered by EE)

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

AttA Page AttA Order Code	Units of Measurement	Metric Type	Metric/ Indicator Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Rateline Num Baseline Denom	2017 Achievement	2018 Achievements	2019 Achievements	Mort Term Annual Targets Fabrie Terrari	Short Term Annual Targets (1659) Targets	Short Term Annual Mid Term Targets (2020 Targ Targets (2010 Targ	entrust Long Long Long Long Long Long Long Long	Target 104.20253	2020 Achievements	2020 Numerator Denominator	Methodology	Kay Definitions
A03 PL1 G	MT COD HQ	NEW: Snergy Savings	Metoic Brenchouse galanci (MT CCDar) Net IXM cavings, reported or an annual back	CCD-equivalent of cetaninual KWA savings	Postlošo Level (PL)- All Sectors	2016									508,241				Calculated using CFL and reported by sociar semi-latest with primary sociar generation in CEREMETRODINES specification. Includes Codes and Electronic Registry, MCL, and FER not included.	includes CCD lost nel NGCE and PGGE as there are not SGR equivalents. Anno SGR addeting CT for 250 In ad April 12, 1300, Adottis CG2 environmentation values registering the Cont Binsteinments Teel (25 in CGDB), denoted as revealing stars. Now an ensul for subscription addition for Segrets addeting the CGDB, there also as general section address and the Context Section addition for a section between the PGDB, there also as general section address and the Context Section addition for a section and (2602) Minimum and particular the Context Section address and an address and the Context Section address and a section address and a section address and a section and COMES. For 2010, 47 the number ICCD SECTION address address address address address address address addres
A02 PLI 51	First year annual kW gross	S1: Energy Savings	Netsc Prityrar annual and theydre re-arte (pre-evaluation) gas, electric, and demand stangs (proc and ref)	Pint year annual KM gross	Portfolio Level (PL) - All Sectors	2016	563.03	NOX NOX	500	54 609.7	542.9	411.24	475.653	476.609	303,778	526.442	769.553	N/A N/A	Perfehits Kongo Eurings Instalae Codes and Essentanis, 2014, Eary Inter Regional Renge Network (Ray100), and Marin Concordinge (RCR), sometimes with here perfects and operating an enzyme facility in an ensuin-operatio. 2020 anticements defig and strategies researched to 2020 anticipants. Tengens enacting and with DCIC antipient gends in 0.320 dis 2020 and the 2020. Print endition's halow.	
A02 PL1 51	First year annual kW net	51: Energy Savings	Mettic processed and the galaries are (pre-evolution) gas, electric, and demand lawngs (proce and ref)	Prist year annual KM net	Portlolio Level (PL)- All Sectors	2016	292.190	NO. NO.	560.	54 258.11	84 270.3	52 224.581	264.026	255.705	279,688	220.720	297.362	N/A N/A	Perchilis Terregs Tenings include Gelen and Handanis, Hill, Bay Jens Regional Terregs Hearnis (Bay Hill, and Mario Cons-Dereg (MEE), semicismi with here performs and generoperatelis here anned reports. 2016 achievements align et savings reported in 2018 Jonnal Report.	in Castin and Tandards savings are not with TC merical affairs.
6 A02 P11 51	First year annual kWh gross	51: Energy Savings	Metric Pritt year annual and the optic erv anter (pre-evoluation) gas, electric, and demand cances (proc and net)	Pint year annual KMP gross	Portfolio Level (PL)- All Sectors	2016	240.50	NOL NOL	569	54 342.6"	70 253.8	203.69	221.115	224.078	5,222,093	216.884	291.944	N/A N/A	Engels and Japon with OVE entrylet grads in 0.22 OHESE and the 2018 And and Enach Bady And Enach Bady And Andreas and Andreas Andreas and Standards, Hill, for Jaco Regimmed Energy Entern Jipe/Will, and Karin Channellongo (JKE), canciliated with how perfiltation and grant products and regards. 2018 advicements align and searing regarised in 2016 Januard Report.	ni Robins and Standards survings are not sails 150 merilat alfanis.
A02 P11 51	First year annual kitth net	51: Energy Savings	Netsc Prity yarannal and fifegole evante (pre-evaluation) ge, electric, and demand saving (proc and ref)		Portfolio Level (PL)- All Sectors	2016	140610917	NO. NO.	560	1 200 021 7	1 222 044 3	1 098 820 361	1 204 324 338	1.197.455.793	2,845,111	212.081.001	1753114.678	N/A N/A	Targets are adjected with OVLC adapted grads in 0.210 OFO26 and the 2018 Peter and Dark Study Peterbink long Scalego include Carlon and Dandards, ISG, Bay Janes Registrant Darge Steamen SprayNill, and Marine Caran Dang (SKS), services with here peterbink surving any properties for an annual regularity. 2016 addresses to be sating regulated in 2016 Janual Report.	ad Godies and Standards savings are not with 550 model offices.
A02 P11 51	First year annual Therm gross	51: Energy Savings	Netsc Prityer annual and lifelycle ex-arte (pre-evaluation) ge, electric, and demand suring (proc and ref)	Putzyear annual Therm gooss	Portfolio Level (PL)- All Sectors	2016	1277.120.94	NO. NO.	560.	54 1.287.987.94	D 1356467.8	962,811,094	1.078.924.927	1.076.108.641	17,690,586	180.520.489	1732365.088		Tergen area lipsed with CVC adapted path, incl. 31:04:003 and the SOER Point and Sainh Sunky. Aretholics Songe Sainling Unit March Sainh Sainhainh, Mill, Key Sens Regional Sange Steiners (MpHR), and March Sainhainh (MIL), Key Sens Regional Sainge Steiners (MpHR), and March Sainhainh (MIL), Key Sens Regional Sainhoi (MpHR), and March Sainhainh (MIL), Sainhainhainh Sainhainh Sainhoi (MpHR), and March Sainhainh (MpHR).	al Codes and Standards savings are not with 155 method offices.
A02 P11 51	First year annual Therm net	51: Energy Savings	Netic Pril pri annal antifetide e ante (pre-evilation) ge, electric, anderena canagi (pric antiret)	First year annual Theoremet	Portfolio Level (PL)- All Sectors	2016	22 (69 22	NO. NO.	560	54 33.246.1 [°]	77 22.252.2	22,742,541	25.932.646	27.725.503	1,979,275	50.128.882	41.192.619	N/A N/A	Tageta and general with OVLC adopted grads in 0.21 OH 021 and the 2018 Peter and Dark Study Peterlini long Earlings include Gelen and Earliandersh, KE, Key Janes Registral Early Steams By Ref. (K), and Karis Chan-Denge (KE3), semicitant with here peterlinis and generative semicondimication. 2016 advicements align and savings reported in 2016 Januari Depart.	ar Golden and Standards savings are red with 35 market effects.
A02 PL1 51	Lifecycle ex-ante kW gross	S1: Energy Savings	PL3-D-Post year annual and Meaple eviate (an evaluation) (as, electric, and demand cavings (grocs		Portfolia Level (PL)- All Sectors	2016	21.221.40	NG. NG.		54 29.965.4°	22 204 2	30,899,241	22.581.872	35.787.781	2,029,944	43.420.047	25,780,351		Targets and igned with OVL adapted grads in 0.37 04 001 and the 2018 Point and Sank Body Points Body Points Body (Sang Lange) include Carlos and Donalawit, Bid, Bay Jone Regional Dong Hearney Hys/Bill, and Marin Caron-Dong (MCH) which is semi-irent with regulatory spectral quarketist merge analys. 2018 achievement adapted to analyst spectral quarketist merges.	ni h Calain and Samlanis sarings are net with 100 me bet effects.
A02 PLI 51	Lifecycle ex-ante kW net	51: Energy Savings	and arc(++ Yest) year annual and lifelydie ee arm (pre-evaluation) ges, etechs, and demand cavings (proc. and red)		Portolo Level (PL)- All Sectors	2016	7 014 36	ND ND	660		1C 3 367 9	as a tan cal	7.433.657	> 601463	2,701,348	3 100 010	3 386 364	N/A. N/A	Core the SEE Network and And, Shark atom network have heap for anyon, SEE michaele Horychic tappi hand an SEE anharmenth (hurating) and heat yee section hards. Performance of the section of the section of the section of the Network (heat section of the section of the section of the section hards). Perg Network (heat section of the sec	E Codes and Standards savings are red with SS market effects.
A02 PLI 51	Lifecycle ee-ante kWh gross	51: Energy Savings	Netsic Priti yekrannal and Megde evante (pre-evaluation) ps., electric, and denaid carlog (price and ref)		Portolo Level (PL)- All Sectors	2016	2 630 90	NOK NOK	560	54 <u>4 546 8</u> 1	56 <u>2042</u> 7	1.007.201	2 169 995	22772857 12,91	6,125,707	2.851.997	1 283 532	N/A N/A	Ever for 2018 Notestal and Earls Shark down voti instale Hong-for unings, NES minimate Hong-for giving the local on 2016 an instances (figured ing and first spac- talisms for bands). Profilia for gap Earling: instale Galos and Standards, RE, page test figured forge (finisets) figure(fig) and factors (transformed to the gap test figured) and galaxies space (figured) and profilial many accessing 2016 an intervention along with savings reported in 2016 down of logons.	d h Codes and Sandards savings are not with 30 market effects.
A02 PLI 51	Lifecycle ex-ante kWh net	S1: Energy Savings	Netsic Prit yarannal antifetyde evane (pre-exilation) ge, electric, anderena canago (proc ant ref)	Lifequie ex-latte KMI-tart	Portfolio Level (PL)- All Sectors	2016	14.120.908.29	NG. NO.	600	54 16 109 235 0	38 15.424.505.7	78 11.042 762.596	12 103 040 903	12 024 014 410	1,275,857	185.857.902	22.910.625.863		There the 2020 the functional and chark thang datases matimulates through a wavelenge, NEL and node of Hongo's target haven at 2020 and honoremits (based and or and the hyper hardware) and the strength of the strength o	
A02 Pi1 S1	Lifecycle ex-ante Therm gross	51: Energy Savings	Metric Prist plan annual and lifeligible en ante (pre-evaluation) gas, electric, and demand samps (prics and net)	Lifecyde eo ante Them guist.	Portfolio Level (PL)- All Sectors	2016	12.720.201.430	NOL NOL	569	54 15 268 2014	96 147182069	59 90.039.841.858	10.992.963.893	10 930 169.001	2,694,689	976.448.041	22 596 506 037	N/A N/A	These the 2018 Absorbed and all André Mark Mark and Mark Mark Angel Para Ange	A
A02 PLI 51	Lifecycle ex-ante Therm net	51: Energy Savings	Metric Prist year annual and the gibte evante (pre-evaluation) gas, electric, and demand samps (gross and net)	Lifecyde eo aste Them net	Portfolio Level (PL)- Ali Sectors	2016	275.401.157	NOX NOX		54 362.416.6	224 209 8	282 210 264	419.476.112	440.363.845 50	0,719,364	585.246.530	436 741 326	N/A N/A	antimisted Ellizaçõe karpa haran en 2018 antinamento (Juazzi nel anti- haratoria karatoria Parofesis tomog tantança instalación anti Simalando, KAR per lass Represa Tempo (Internet September 1998), and Arato Chamaratoria (Dirata Juazzi nega felantes September 2018), and Arato Chamaratoria (Dirata Juazzi nega felantes September 2018), and Arato Chamaratoria (Dirata Juazzi National en September 2018) and Aratoria. National en September Juazzi Alabatiana (Dirata Linguistica) Aratoria (Dirata Juazzi Alabatia) and Aratoria.	n Costor and Standards savings are not with UK market effects.
	First year annual KW gross	S2: DAC Savings	Netric First year annual antilifequite servane (pre-evoluation) gar, electric, and demand cannig((proc and net)in dicabusetiged communities)	Pinti year annual kt/ grassin Disadvantaged Communities	Portolio Level (PL) - Ali Sectors	2016	242.006.05	NOK NOK	560.	54 221.002.51 54 14.7	01 274.481.5 57 153	10 243.785.353 12 21.82	277.268.758	24.844	29,514	21160	294.828.997	N/A N/A	nationaled (Respirationgles based on 2004 anticements (based on) and first year carbon lanets. Resolve data adjuss with underlying society data reported in the 2004 Annual Report Sample adjus with the macmonic of society perficies society peaks	
A02 PL2 53 A02 PL2 53		S2: DAC Savings	Pitty systemist and they be easing (pre-instantion) pic, elemin, and enable analysis pre-instantion pic, elemin, and enable analysis and endin Pitty sparaneut and they be easing (pre-instantion) (pic, elemin, and enable analysis (pre-instantion)) (pic, elemin, and enable analysis)	Pist year annual KW ret in Osaduantaged Communities	Portolo Level (PL) - All Sectors	2016	19.50	N/A N/A	560	54 10.4	24 100	15.25	16.559	17.530 9	20,946	22.233	4.169	N/A N/A	Read-order aligns with underlying society data reported in the 2018 Annual Report. Sergets align with the reconnect of events particles serings goals.	
A02 PL2 S3 A02 PL2 S3	First year annual kWh gross	Sit DAC Savings Sit DAC Savings	Metric go, electric, and demand change (proce and net) in dicadastraged communities Trist year annual and/files/demand scalars (pre-evaluation) Metric go, electric, and demand change (proce and net) in Anteriore	rins year annañ telegous, mussavanager Cannuntes Fist year annañ KMI net is Disakvataged Cannunties	Portfolio Level (PL)- All Sectors Portfolio Level (PL)- All Sectors	2016	104 999 721	N/A N/A	569.	54 78.056.1	48 696224	81.966.511	89 876 586	89.324.227	6,213,019	97,874,696	31,264,164	N/A N/A	Randine data align with underlying savings data reported in the 2008 densal Report. Sargets align with the momentum of workel particles savings goals. Randone data aligns with underlying savings data reported in the 2008 densal Report. Sargets align savid underlying savings data reported in the 2008 densal	
A02 PL2 S3	First year annual Therm gross	Sit DAC Savings	Post year senual and tifequile ex-anter (pre-evaluation) Metric gat, electric, and ensuind cannet (provide and net) in Biodalant/get communities	First year annual therm goost in Disadcantaged Cammunities	Portlolio Level (PL)- All Sectors	2016	1190.08	N/A N/A	500	C4 C6 813 1.	40 461363 08 56008	46 CC CB4 3N	1.812.498	1 902 933	2,405,587	2528578	5441.521	N/A N/A	Reactive data aligns with underlying unitys data reported in the 2016 denset Report. Sergets align with the moments of sumaligner thin starings guals.	
A02 PL2 S3	First year annual Therm net	Sit DAC Savings	Pett year annual and lifelyder ero arte (pre-invaluation) Metric gis, electric, and demand carage (proccard net) is dicadearoged communities	Finit year annual thermnet in Dicadvantaged Communities	Portfolio Level (PL)- All Sectors	2016	933 222	N/A N/A	569	54 2.621.0	66 22120	121220	1 218 524	1405.146	250,219	1224.442	2.689.251	N/A N/A	Readine data aligns with analetying savings data reported in the 2006 downed Report Targets align with the resources of availity perfolia saving goals.	SAC definition adapted in 3 1801 001
A02 P12 53	Lifecycle ex-ante kW gross	Sit DAC Savings	Prist year issued and life/year examples (pre-evolution) Metric gat, electric, and demand stange (proce and net) in distaliantsged communities	Lifecyde ee ante KW groccin Dicadvantaged Communities	. Portfolio Level (PL)- All Sectors	2016	240.67	N/A N/A	560	54 778.291.21	86 1228	20 184.991	201.001	210.622	169,038	264.174	61.610	N/A N/A	Read-ordet align with orderlying unings fails reported in the 2016 dense Report. Surgets align with the moment of somelliper this society guils.	SAC definition adopted in \$18.01.011
A02 PL2 S3	Lifecycle ex-ante kW net	Sit DAC Savings	Prizz year annual and tifelydie ex-ante (pre-evaluation) Metric dicadearcaged communities	Lifecyde eo ante kw ret is Disaduantaged Communities	Portfolio Level (PL) - Ali Sectors	2016	161 (2)	N/A N/A	560	54 616 661 31	823	57 124.97	125.789	147 200	7,027,820	178.465	0.03	N/A N/A	Receil or data aligns with anderlying savings data reported in the 2018 densed Report. Targets align with the maximum of normal particles savings goals.	Diff definition adopted in D 18-01-041
A02 P12 53	Lifecycle ee ante kWh gross	S2: DAC Savings	Pixt year annual and lifelydir er-ante (pre-evaluation) Metric ga, electric, and demand cannys (proc and net/in dicadeartaged communities	Effecyde eo ante kiteligniss in disadvantaged Cammunities	Portfolio Level (PL)- All Sectors	2016	970.453.493	N/A N/A	569	54 140.7	12 6935830	NG 758.372.16	831.197.776	926 447 216		905.558.124	284 251 252	N/A N/A	Readine data aligns with underlying savings data reported in the 2018 derival Report Sargets aligns with the mean rest of workit percenting and s	D22 definition adapted in D38010011
A02 P12 S3	Lifecycle ev ante kWh net	S2: DAC Savings	Pett year annual and lifelyder en arte (pre-invaluation) Metric ga, electric, and demand carries (proce and net) in disadoartiged communities	Lifecyde ec ante KWhnet in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016	657 371 634	N/A N/A	569	54 105.1	51 4967211	518 256 653	568.017.414	564.777.877	6,177,412	618.840.651	207 100 542	205 205	Readlow data aligns with underlying sorings data reported in the 2016 denset Report Targets align with the resourced of worsd perfidits surings gash.	DAC definition adopted in \$1801.041
	Lifecycle ex-ante Therm grass		Mettic Prizzyea consultantifielydie ee-ante (pre-evaluation) gas, electric, and devanad canego (proc and net) in disabasizged communities Prizzyea cancal and lifelydie ee-ante (pre-evaluation)	Lifecyde eo ante Them gossin Disaduantaged Communities	Portfolio Level (PL)- All Sectors	2016	43 ABC 343	ara ara	555	54 97 549 34	56 53313#	60 - 48 460 300	10 070 0JC	20 922 299	6,450,128	37 863 454	22.236.41A	N/A N/A	Readine data aligns with underlying sociogs data reported in the 2028 densed Report. Targets align with the moments of normal particles arrings goals.	
A02 PL2 53	Lifecycle en-ante Therm net	52: DAC Savings	Bibbiologia comunities province and an annual control for a cost (pre-volution) province and annual comunities bibliologia comunities	Learyer eviate frem en at to buddertiged	Portfolio Level (PL) - All Sectors	2016	8.536.554	10/A 10/A	<u></u>	54 17 966 69	201080	12.032.220	19 204 123	17.862.941	53,210	18.420.795	<u> 15.257.818</u>	N/A N/A	fandere da alges of its schedup grounge date separate in 2015 format former langes alge with the moment of recently perchiles using grads.	Mc deletite adaptet i e 3.201041
A02 PL3 54	First year annual kW gross	54: Hard to reach markets	Proti per la monal del finita de evien (per-reductive) Motificio de la monal del finita de la magnificant del reduci ana de resulta materia	mat year annut fair grouts i field is field fair field fair	Portolo Level (PL) - Al Secon	2016													Readine data dagan alika adari yang satang data nyapatat isi da 2012 konsul Readin Sagan dagan di Bar mananan di sanah gerihikin satang gerihi	e Maderine alayat i di 187.62
			Prot part lanut and fringer or sam (per-industrie) Motific par, involversat assagigness ait antire		Partisla Javel (PL) - All Sectors		C1 484	6 8/3 8/3	660	54 7 B	00 34	36.34	47.744	AA 706	27,676	CC 478	4 648	N/A N/A	Read-to data aliga cilio sobri fing aning data sponistra to 2021 bondi Read-to daga adal por sello sociogramato da suna gundia suring gunda	

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 Table 17: Metrics Compliance Filing 2022-2022 Econcers is embedded in the Mid Tarre

Pa N Bodg Table 2022	ne: Pacific Ga t Year: 2023-202 7: Metrics Compli 023 Forecast is em	is and Electric (3 ance Filing sbedded in the	Company Mid Term Forecast. Final results :	are provided in the Annual Re	port.																			
index PA Att	Page AttA On	der Kethod Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year Baseline Numbe	are listeline Num	Baseline Denom 2	017 Achievements	2018 Achievements	2019 Achievements	Short Term Annual Targets (2010 Target)	Shart Term Annual Targets Office Turnet	Short Term Annual Mi Targets (2020 Tweath	d Term Annual L Targets 1903-1.30328 171,980,117	Long Term Annual Target 19434-34151	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions
27 PS&6	02 Pi3	54	First year annual kith gross	S4: Hard to reach market	Metric	net permutantel anticipit es ara (pe essurante) per este autoriante anticipit es ara per essentante antis manimientos	That you and the group instant of the Al Markets	Portfolio Level (PL) - Al Sectors	2016		8/2	550 554	16 166 31	. 2019411	4 147.055.867	161 153 646	160 124 551		175 677 884	12 500 8			haata daa iyo ah aadaga ang kin gaata da 10 kuut haata laga iyo dhi kuugaan daang padaa ang gab	
28 P684	02 PIA	54	First year annual kikh not	Sit: Hard to reach market	Metric	net paramat antifaqte e are (pe estatute) par erec, antifaqte are are (pe estatute) antif e estatute	finit gain an an an Ball-Anton I an Fan A Madera	Partolo lavit (PQ-Al Sectors	2016	994 N/A	N/A	500.554	12.68.60	1872872	6 99.2212.780	109.048.109	100.763.039	116,519,201	119-216-412	11 200	12 mm	NOA	Name of Social State of Social State of Social States of	Phanese and 10.000
29 PG&E	02 PL3	54	First year annual Therm gross	54: Hard to reach market	Mestic	nng para madaadihgan sa ang jarawaanan ng para madaadihgan gaga sa sa egu ng para ng para ng para ng para sa egu ng barang para ng	nat par anal Theorematics matchin that Nations	Portfolio Level (PL)- Al Sectors	2016	154 m/da	w/a	222 223			¢) 111 CM	5 367 606	3460.400	2,109,157	3 3 68 138	.43 6	13 16/4	8/24	Radio Mar Age with sub-Uring uring this spectra in the 2018 band March Togo Age with sub-spectra disard particle uring gath	
20 9585	02 PIA	54	First year annual Therm net	S4: Hard to reach market	Metric	nte per una statisficação e a um (pe a constitui) pe, entre, sea destanta consection e que en en una de encla natura	hat you anal flore on to had to float Models	Partolo Levil (PL)– Al Sectors	2006	171 m/a	8/8	559 554	400	c 5074	2 1.00781	1 768 029	188110	2,210,149	2312319	-12.9	55 N/A	202	Austria das algas anto ministring acting actor granter in the 2014 Austri Austria daga alga anto inclusional de Austria grantino composition anto daga algas anto inclusional de Austria grantino composition acting	************************
31 PG65	02 PL3	54	Lifferyde eo arte Vel gross	Sé: Hard to reach market	: Metric	ent par social addright es are (se national) addres washingter (sea ad retro	udmynte en wies fat graces fen de se musi tandens.	Partitula Lovel (Fil) - Al Soccara	2016	228 N/A	8/4	508.554	115 705 000	1 2016	7 315364	342.648	259.017		459.327		51 1904	100	Nation Star Ange and Ange ang	
22 PGEC	02 PIJ	54	Lifecycle av-anta kW net	Sit: Hard to reach market	. Metsic	und an annual an airtean an air gur annuarach na an annual an annual gur an an air an na an annual an annual an	ulingén av ante till att et in ford-to flavor Maharit.	Purtida Leve (Pi)-Al Sectors	2016									281,340					hadri ka dija shadri ya mji ka shadri ka 10 Ki kud Nan Unga dipatri kasani da ka galaka ya gala	Nonice and 10.000
33 PGE	02 PLA	54	Lifeçcie en arte 100% gross	Sé: Hard to reach market	Metric	rett partnesi keldesjä es atte (pe estatos) pa, etter, sakstead andrig gata ad orjen andre mennenne	ulingén de vale talls grac a mai de frank Maleira.	Purtida (Maj - Al Sectors	2016	284 8/74	-	200 CC4	20 40 E	200	400.000 400.000 AM	440.000	4 454 736 605	1,510,305,283	4 673 674 536	11	PD 49/4	80%	National da referencia de la securita da 10 de la securi	744454 Hours 1, 2010
24 PCEC	02 P13	54	Lifeyde as anta 10th net	54: Hard to reach market	: Metric	ent para social additingia es ara (pe estalactiva) not es eschadores antes eschadores	ulayah ne ga kata seta kata kata kata k	Partitula Lovel (PQ) - Al Soccara	2016	55 804	8/A	559 554	45	1607726	4 688.816.778	974.457.120	968-601.773	1,039,602,003	1051211623	\$199	N1 N04	805	Nation State Applied and a state of the grant of the State of the Stat	***********

	Pa Name: Budget Year: Table 17: Metr 2022-2023 Fon				are provided in the Annual Repo	art.																			
Index PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Mesric/ Indicator	Rusiness Plan Att A Description	Netic	Sector	Raseline Year	Baseline Number	Raseline Num Baseline Decom	2017 Achievements	2018 Achievements	2019 Achievements	Short Tenn Annual Targets (2010 Target)	Short Term Annual Targets (2011) Targets	Short Term Annual Targets (2020 Target)	Mid Term Annual Targets 12021.0028	Long Term Annual Target (2014-2015)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology Key Definitions	
35 PGRE	A02	PL3	54	Lifequie ea ante Therm gross	Sel: Hand to reach markets	Metric	nat pas annu antifeigin na ang gan nuluman) nat pas annu antifeigin ng gan nuluman ng gan ng hanang	chiquite no ante finen popular tandris munt tantos	Partido Levil (PQ- Al Sectors	2016	15.707 854	800 800	500 500	4 -19941		21.004.757	24.050.147	** 200.5%		23 555 855	101 500	NGA	2006	hand han dapat katalan	
36 PGRE	A02	PL3	54	Lifeçele en arte Therm net	S4: Hard to reach markets	Metric	Petty para second and for function on any pre-evolution of pre-petty, and determinationing (press and only to and the multi-tention	ulogija na sta Tana na urbad la dala Malaki.	Parthis level (PQ-Al Sectors	2016									21,60,616					North May (Agest and Statistical May Statistical Statistical Statistical Statistical Statistical Statistical St	
37 PG&E	A02	P14	ш	PAC Level2ed Cost (\$/kW)	Cost per unit saved	Metric	Lowbard Got of Arrenge (Phaney per 1980, Derm and NV) (see birth The and PAC)	FRC Leveland Col ((600)	Partola level (PL) - Al Sectors	2016	5446.31	6 5157.466.822 801.200	5000	4 51266	400.00	541525	5435.01	5415.03	412	5401.54	0.10	5152.112.175.84	268.526.61	And an error to an error of the strength of th	
28 PG66	A02	P14	uС	PAC Leveland Cost (\$/KWh)	Cost per unit saved	Metric	Level and cost of energy efficiency per 1000, therm and KHT (see both TRC and PAC)	PRC Levelsed Cold (((4994)	Portfolio Level (PL) - All Sectors	2016	50.01	8 5157.466.802 4.348.268.766	50000	4 500		50.08	50.08	50.08	D	50.08	5011	5152-112-175-84	1.367.830.088.15	And and an any any tangent handow material days and program of the section of the	
39 PG&E	A02	P14	ιC	PAC Level 2nd Cast (Symposium)	Cost per unit saved	Metric	Low-Execute of energy efficiency per IMP, therm and KWI (use both TRC and PAC)	FIC Levelsed Cold (((them))	Portfolio Level (PL) - All Sectors	2016									0					Sand and any specific hash an include of program (a) Margin program (b) and	
40 PG85	A02	P14	LC	TRC Levelized Cort (§/KW)	Cost per unit saved	Metric	Levelshel and of every efflorecy per VMN, therm and NM (see both TRE and PAC)	THE Leveland Cold [[ARD]	Partiola level (P.) - Al Sectors	2016	5043	5540.167.726 801.200	6000	4 5169.0	7 545.00	5657.34	5657.34	5657.34	634	5605.77	51.05527	GX 311 193 55	268 526.67	And a new to be an end of a proceeding of the second of a processing of the second of	
41 PG&6	A02	PLA	LC	TRC Leveland Cost (S(NWh)	Cost per unit saved	Metric	Leveland cost of energy efficiency per 1005, therm and NMT [see back TRC and PAC]	THE Lowelland Card [1](HHM)	Portfolio Level (PL)- All Sectors	2016	50.1	3 - 5540 167 776 - 4 248 268 766	50000	4 500	•	50.12	50.12	50-12	0	50.11	50.25	\$275.311.103.55	1 367 830 088 15	Landra Carrow Marking Markan Marking Markang Ma Markang Markang Mar	
42 PGBS	A02			TRC Levelized Cost (Sytherm)	Cost per unit saved		Leveland cost of energy efficiency per KMN, therm and KMT [see both THC and PAC]		Portfolio Level (PL)-All Sectors	2016	50.7	2 568 170 798 98 205 991	56955	4 508	k 100	\$9.75	50.75	50.75		50.20	50.65	554 899 190.03	84 362 085 20	Land and an an and an advantation of the program in the interpretent in the interpretent in the interpretent in the interpretent interpretent in the interpretent	
43 PG&G		RSF1	\$1	First year annual kW gross	S1: Energy Savings		Past year annual and life optice ex-anter (pre-evaluation) gas, electric, and demand stangs (gross and net) for tangle Panely Cudomers		Residential (RSF)	2016	26.60		626 00	4 3017	2 20005 08 349	22,422	44.630	47.416	45,472	47 538	50 data ne	M/A	N/A	Restlers samp färis 2013 Annal Report Targets anvälgend with DVC adaptet gesk in 5.12 64:021 and för 2018 Annala di Gals Kody. Kongen von Statistica and Gals Kody.	Jorg Mane
44 PG&6	A02	RSF1	51	First year annual kW net	S1: Energy Savings	Metric	Past year annual and life-active re-antir (pre-evaluation) gas, electric, and demand samings (gross and net) for tangle Panity Cudomers	Pint year annual KW ret	Residential (RSF)	2016	24.72	a 1/4	560.55	4 24.92	2020121998	20.042	41.201	29.926	42,728	44.876	26913	N/A	N/A	Random sarrage faits 2014 Journal Report, Sargeta annaligenia with DVL adaptate ganh visi. 117 2015 Zimatina 2018 Adamtia danah Guah, Sudy.	herg datase
45 PG&6			-	First year annual kWh gross	S1: Energy Savings	Metric	First year annual and life-tycle ex-ante (pre-evaluation) gar, electric, and demand stanngs (grass and net) for Single Family Cudomens	Post year annual kildingoos.	Residential (RSF)	2016	150.797.351	s n/a n/a	529.55	4 194.294.09	221322569.5	152 753 524	212 638 729	209.742.714	236,369,990 217,644,942	260.973.932	132.427.547.24	N/A	N/A	Renders sanlings fants 2014 Annual Agents Torgeta ann alligent alth OPUC adaptets prod. 193. 21 09:221 a denard hogent, Torgeta ann alligent alth OPUC adaptets hoget ann by protein of Americking Departs and Linde Americana.	herg Mainer
46 PG&5				First year annual killih net	S1: Energy Savings	Metric	inger ramp counters. Pest year annual and freque exacts (pre-evaluation) gas, electric, and demand coungs (proc and net) for longle Panity Cudones	Pisti year annual Kitchnet	Residential (RSF)	2016	142,699,071	8/A 8/A	569.55	4 189.496.81	216718773.1	143.428.942	199.282.064	196.891.387	13,108,479	226758.824	136,234,532,03	N/A	N/A	Reactions survings from 2014 Annual Report Fragming and with OVE adaptors grade in E.12 (2012) and Read Report Read Report Read Read Read Read Read Read Read Read	hang dalahar
47 PG&E				First year annual Therm gross	S1: Energy Savings		First year annual and life-tycle ex-ante (pre-evaluation) gis, electric, and demand camps (proce and net) for Single Family Cudamers. East and social antificaction as some (con-evolution).		Residential (RGF)	2016	4.632.721	NA NA	569.55	4 486.35	2802555.465	9,470,631	11 898 350	10.568.794	10,106,555	12.035.818	5 327 346 65	N/A	N/A	Randim surings freis 2014 down Higens Ameligand with OVC adapts. Topps source introduce a strateging set includes 2014 of the suring is the Machine State of the suring is the State of the suring is the State of th	neg lakisar
48 PG&E	A02		51		S1: Energy Savings		First year annual and life-tycle ere-ante (pre-evaluation) gar, electric, and demand canings (procc and net) for Single Family Cudomers First year annual and life-tycle ere-ante (pre-evaluation)		Residential (RGF)	2016	4 236 59	2 N/A N/A	569.55	4 44163	2720909.629	8.451.068	10 539 716	9.568.634	193,118	10,229,762	5.291.258.45	NG	N/A	Kandim suring kin 2012 kowa ligan Yangia yan aligan ali O'C calgate gala in 21 O'R21 and in 2012 Amerika ad Bash Bagi. Barada an Argentin ali kandinggi Byon suri kin di Amerika ya Kandima ya Kandima ya Kandima ya Kandima ya Kandima Kandima ya Kandima ya	sergi lahisar
49 PG&E 50 PG&E			51 51		51: Energy Savings 51: Energy Savings		Party year annual and tife option en-anter (pre-evaluation) got, electoric, and demand caungs (groce and net) for Single Panity Eucloaners Party year annual and tife option en-anter (pre-evaluation) the system and demand and the option (pre-evaluation)		Residential (RSF) Residential (RSF)	2016	169.45	s n/a n/a	569.55	4 206.09	4 243276.4553	127.754	189.581	160.141	168,110	201.894	22.070.15	N/A	N/A	2018 entremente digenite con propetitio 2018 fonsal Repet. Engle fentiopranega er leval en der distingtingen, auf under Ref. Offensa erege level herbeitet auf anteremente algenite con propetitio 2018 fonsal Repet. 2018 anteremente algenite con propetitio 2018 fonsal Repet. Engle fentiopranega er leval en der distingtingen, auf under RES of Brazierage ben Received.	g annar
50 PG&E 51 PG&E			\$1 \$1	Lifecycle ex-ante kWinet	S1: Energy Savings	Metric	Prist year annual and through ere ante (pre-resolution) pris, electric, and demand stange (proc and neigher Bright Family Catalones). Prist year annual and through ere ante (pre-resolution) prist, electric, and demand stange (proc and neigher Bright Family Catalones).	Lifesyde eo ante ktel et	Residential (RSF) Residential (RSF)	2016	124.04	ara ara	629.00	4 171.67	225474-0365	*****	165.020	152.013	646,377,600	175 745	30 3h1 3a	N/A	N/A	NEE on instantilatyo tarang targa kanada 2014 artisamen janahari Balar an instantilatyo targa targa kanada 2014 artisamen janahari Balar an instantilatyo targa t Targa targa	berg Mainer
52 PG44	A02		51		51: Energy Savings	Mettic	gic, electric, and demand caungi (proc and ref) for Single Family Cudaness PHSI year annual and lifecycle en-ante (pre-evaluation) gic, electric, and demand caungi (proc and ref) for	Lifecyde eo arte Kithaet	Residential (RGF)	2016	412,342,97	N/A N/A	569.55	4 1,095,587,65	5555827199	417.719.934	584 216 674	\$70,820,760	611,706,130	712459563	152-327-552-43	N/A	N/A	 PARA industrituppe and particular participants and participan	Dang Jakatuan
53 PG&E			51		51: Energy Savings	Metric	po, energia annuel and iffequence and receiptor Single Parally Cubaness: Prixt year annual and iffequence and receiptor pix, electric, and demand stange (gross and net) for Single Parally Cubaness	Lifecycle ex-ante Them goos	Residential (KSF)	2016	218.969.691	5 m/a m/a	569.55	4 969,705.04	1521978918	205.313.582	552,879,494	540.211.596	39,425,686	675.378.112	148 550 051 20	N/A	N/A	AND all and an all and an	Inergy Addressor
54 P585			51		S1: Energy Savings	Metric	First year annual and life cycle ex-ante (pre-evaluation) gas, electric, and demand cavings (grass and net) for	Lifecycle or ante Them net	Residential (RSF)	2016	12.922.58	6 N/A N/A	22,022	4 9.475.12	-12792566.14	28.484.322	25.786.042	21.785.705	36,908,024	28.207.547	8,806,208,25	NIA	N/A	Hild a datability bearing to get hand an 2024 activements (baseling). How are the partian of francelogy flavors, and its single family volumes, and only providing the partial partial states of the partial partial partial states of the partial parti	Inergo Addataser
SS PG&E	A03	R5F2	٩	MT CO2ieq	GHG	Metric	Single Panity Cudomens Greenhouse gooes (MT CD3eq) Net KWh cavings, menoted on an annual locar	CCD-equivalent of net annual VMh cavings	Residential (RSF)	2016	10.764.75 66.499	anta anta	560 CS	4 2947.69	2 -15975572.05 c 104481	26.645.345	22.500.911 67.617	29,755,928	101,423	36,703,450	7,422,128,93 AC C49 AR	N/A	N/A	Hill fedinatellispinusing sega hadan 2021 altometh (badan) and fergers saring sega. And fergers saring segat. And fergers saring segat.	
S6 PSBE			01-0		D1: Depth of interventions: Per downstream participant	* Metric	Average Garrage per participant in bath opt-in-and-opt-ou programs (Indexin down by downstream, indexnam and upcleam, as (Faable)	Average lifecycle ex-ante kWinet cavingsper participant - Opt-in - Downstream	Residential (RGF)	2016	15	106.110 69.408	56955	4 29		157	159	1.0	3366	1.72	0.15	1.874	12.52	Namedar Tala damaharan saring alamaharan pada jama, jang pengangan ang teru teru teru teru teru teru teru teru	
57 PG&E			01-0		D1: Depth of interventions: Per downstream participant	r Metric	spictnesse, so feeable! Reverge comps per participant in both opt-in-and opt-out programs (Enden down by downstream, midtowam and spictnesse, so feeable) Reverge comps per participant in both opt-in-and opt-out	Average lifecude ex-ante VMN net caungs per participant Opt-in - Downstream	Residential (RGF)	2016	3.001	208 538 195 69.408	569.55	4 676	2352	2089	21.22	3176	116	2281	637.245	7,979,630	12.52	Namesen Vehicle Search Searce Se	
SR PGBE	A03		01-0		D1: Depth of interventions: Per downstream participant		Average carries per participant in both opt-in and opt-out programs (broken down by downichnam, midchnam and optimum, ac feasible) Average carries per participant in both opt-in and opt-out	A weige lifection works them not saving per participant - Opt-in - Downstiwam	Residential (RGF)	2016	106.3	7 7382257 62.438	56955	4 616.8	1 160	506	111	112	N/A	120	165.007	2.066.214	12.521	Severate Mad weller of Azerbis no participants justicipants and Per ED. Trangs sating. * Uthryshell Truning.	
59 PG&E 60 PG&E			D1-M		D1: Depth of interventions: Per midstream participant		Average science per participant in bath opt-initial apt-out programs (brainer-down by downstream, windstream and upstream, as forable) Average councy per participant in bath opt-initial apt-out programs (brainer down by downstream, windstream and winters in it wanthol		Residential (RSF)	2016	NA	69.100 N/A	56955	4 N/A	NO	i/A	NA	N/A	N/A	N/A	N/A	N/A	N.G.	Notices estimating -007182820-reflective. Not relatives using solution -000000000000000000000000000000000000	
60 PG&E 61 PG&E		RSF2 RSF2	01-M	Lifecycle NET kith	D1: Depth of interventions: Per midstream participant D1: Depth of interventions: Per midstream participant	Metric r	programs (locken down by downstream, indersom and optimum, as finable) dwroge caring per participant in both optimized apti-out programs (locken down by downstream, indersom and optimum, as feasible)	Opt in Millitean	Residential (RSF) Residential (RSF)	2016	N/A	70.830.960 N/A	56955	4 N/A	NO.	1/4	N/A	N/A	N/A	N/A	n/a	N/A	N/A	Andres Constraining Constrainting Constrainting Constraints and Anthropolity and Constraints a	in the summation
		RGF3 RGF3		Lifecycle NET Thems		Metric r provi	programs (lanken down by downstream, windstream and opstream, as feasible) develope saming per participant in both op? in and opt-out programs (lanken down by downstream, windstream and opstream, as feasible)	partopart - Opr in - Middream	Residential (RSF) Residential (RSF)	2016	N/A	2.325.660 N/A	56955	4 N/A	N/X	1/4	N/A	N/A	0	NGA	N/A	N/A	N/A	ha sedena	plantand
62 PG&G	AD2	RSF2		Lifecycle NET kW	D1: Depth of interventions: Pw opt out participant D1: Depth of interventions: Pw opt out participant		programs (Inciden down by downstream, inditionan and uptimum, acfeable) Average surveys per participant in both opt-mand apt-out programs (Inciden down by downstream, inditionan and	Oprose.	Residential (RGF)	2016	A.6	36.000 1 500.000	Gases	4 03	a	6.631	0.021	0.021	96	6.633	0.015	34.967	1 304 305	Aurenzie mei Teilippis zurzegi kan keine fange fannt. Beneniszier kein keinel er Kannel bergi fagen. Beneniszier kein keinel er Kannel bergi fagen. Beneniszier kein keinel er Kannel bergi fagen. Beneniszier kein keine fange fange fagen. Beneniszier kein keine bergi fagen.	-
63 PG&C			01-0		opt out participant D1: Depth of interventions: Per opt out participant		programs (broken down by downstream, midstream and optimum, as feasible) downoge caning per participant in both optimized approach programs (broken down by downstream, midstream and optimum, as feasible)	option and	Residential (RSF) Residential (RSF)	2016		123.050.000 1.500.000	56955	4 170		91	92	94	2	100	28.764	133,999,707	1.201.201	Revention for fair order of how forge figures. In the second seco	-
65 9585			01-0			r Mettir	programs protein adden of addentification, moderation and wpctoware, as feasible (dwenge savings per participant in both opt-on and age-out programs (bothern down by downstream, midstream and spctoware, as feasible)	participant - Opi-out d American Information in antis kWinet Cavings per participant -		2016	2	4 050 000 1 500 000	56955	4 65	• •	2.8	2.8	28	N/A		2.003	5 109 701	1 201 205	Amministration failure trappanti. Simplification of the Design Conference of the Design Conference of the Design Office of the Design Conference of the Design Office of the Desi	maine for this
					upstream participant		upcheam, acfeaublej	uye wi Upilinam			NG	1.216 N/A	56955	4 8/8	NO.	i/A	N/A	N/A	I	NG	N/A	NA	NA	participants Andre in the compliance King	

					re provided in the Annual Report		I. F	-1	r						Ocert Trans	Outline	Out too b	1017-00-000	town from the state	r		1	1
Index PA						Metric/ Indicator	Business Plan Att & Description Metric	Sector	Raseline Year Raseline Number	Raseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements	Annual Targets (2010 Targets	Annual Targets (2019) Targets	Targets (2020 Targets	Targets (2021, 2023)	Target D004.30350	2020 Achievements	2020 Numerator		Kry Definition
66 PG84	A03	RSF3	05-U	Lifecycle NET kith	D1: Depth of interventions: Per upstream participant	Metric	Average science per participant is both opt-initial opt-out programs (brinned-down by downstream, middowan and optimizer, activable)	^{ett -} Residential (RSF)	2016	897 ***	N/A		N/A	10	N/A	N/A	w/a	N,/A	NG	21/2		Lipsiman methadologi- NCT/LLEBLZ-Hismondon Tatal spatness saring, claimed-Description (voltaxilabil) number or uniter of all upsimum participants.	Event II is sender here in deliver updrawn "participants," File and ED agreed to report only the numerator for this restrict in the compliance Eling
67 PG86	A03	RSF2	05-0			Metric	Average savings per participant in both opt-on and apt-out programs (botten down by downstream, midstream and postman, as feasible)	Residential (RSF)	2016	A 10 Mg	-							N/A				NOA lipticeam methanistage - NO FAMABLE +Nameratan Setal systemam savings claimedr-Semaninatur (not available) number or uniter of all optimum participants.	Erner File sentene bewins dellare systemen "participants," File and EE agreed in report only the summatur for this models is the compliance Eling
60 01-01			P1	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric		Residential (RSF)	2016	124,823	N/A	56955	N/A	NO	N/A	N/A	N/A	0	NA	N/A	136.174	N/A participants Kommuter Norther of desenderson V participants (origon associated previous	
					eligible market: Percent of Participation P2: Penetration of energy				160	69.408	4.474.840	56955-	2,299	•	1.60%	2.30%	2.10%	0	3.10%	0.28	12.52	4 529 783 Breminator Idal number of unique IV assumatiand previou IDs Neuronator Number of UP participants in SIGN locitour assumation (Neuronator Neuronator Neuro	
69 PG&G	A03	RSF4	P2	Percent	Participation P2: Penetration of energy efficiency programs in the eligible market - DAC	Metric	Percent of participation in disadvantaged communities	Residential (RSF)	2016	16.236	548.993	56955	2.799		3.02%	2.02%	2.02%		3.30%	0.229	1.96	Researcher Norder of 19 participants in EMAs (antiper account and premise EM) Enventseter: Total number of 19 reviewers in EMAs (perguramment and premise 6282,202	EAC suchements defined in associations with 2138-05-061
70 PG&6	A03	RSF4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	Persent of participation by customent defined as "Persent of participation by customent defined as "Baild for enabl"	Residential (RGF)	2016	N 14.590	601.424	50005	0.27%		2.50%	2.50%	2.50%		2.30%	0.19	1.224	Summation Hamilton of UP (EP participants (online association dynamics Bis) Beamstracture Total number of UP (20 subtracts) periops association provided To 6558, 1955	4 Minushmer shehal in annarda waratib 528 65 661.
71 PG&E	403	RSFS	uć	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	Investand-cloid of energy effloancy per VMA, them and All (use both TPC and PAC)	Residential (KGF)	2016	557.896.037	131.010		\$158.71	272	5419.83	5419.82	Se19.83	268	959	\$778.7	522 250 578 27	VLC cost gar VLC are up of home on gar VLC (are 1, PAC cost in Tarak's Benefits), University for the VLC (are 1, University, University	nadani web we nyawid iyu alar ana lalari widi prime yundar geogéngi is OEME PECINI yani selam.
72 PG&G	A03	RSFS	uc	PAC Leveland Cost (%/kWh)	Cost per unit saved	Metric	Enveltand cod of energy effortercy per 1009, them and the just both TRC and PAC)	Residential (KGF)	2016	557 896 037	318.969.695	50955	50.00		\$0.17	50.17	\$0.17	0	50.15	\$0.1	\$22,350,578,27	PAC-contig per VMIh are pare theremory per VMI in [PAC Cont + Elements Benefits/Datal Benefits/Data/Lefexplor be VMIh are (PAC Cont + Care Benefits/Data/Denefits)/Denyrin B down ur (PAC Cont + Elements/Data/Denefits/Denyrin betVMI respectively 2 \$483.5501.051.25	landiantionis an operatelity weiter consistent with primery setter groupings in OSGRE PROBABIl questionism.
72 PG84	A03	RSFS	ьc	PAC Leveland Cost (\$/therm)	Cost per unit saved	Metric	Leveland code of energy effluency per KKN, therm and KW (see both TRC and PAC)	Residential (RSF)	2016	511.031.311	10,744,753	56955-	\$0.41		50.04	50.98	50.00	594	50.87	50.00	54.456.979.99	PAC-onei per Ville ar per denom ar per Vill in 1992. Ceni a Einstein Benedis-fried Benedis-frieder de Ville or per DiC Ceni a Einstein (Schalt Benedis-frieder) Bener ar 1992. Ceni a Einstein Benedis-frieder Benedis-frieder benedis-frieder benedis- 7.423 128.002	land and and a serveyor tel by softer considering its primery server grouping in QEAR PROBAIL qualitations.
74 PG&6	AD3	RSFS	uC	TRC Leveland Cost (\$/kW)	Cost per unit saved		Level and God of Every periods, there and TNC Sevel and God ((600) $\rm KNC (avel and God ((600) \rm KNC))$	Residential (RGF)	2016		121.010		6601 76	343	60110	6637.43	6637-03		664 (D	51 109.0	631 846 603 10	Nic cost par bible spare item up an Wir (10% Cota a Elevisis Benefits)/Hadri Benefits/Charley de Ville ar (15% Cota a Elevisis). Benefits/Charley in bi- Benefits/Charley de Ville ar (15% Cota a Elevis). Benefits/Charley de Ville Benefits/Charley ar (16% Cota a Cota), Cota a Cota a Cota a Cota The adaption of a color of cota and cota and cota and cota and a cota and De 2014 24. Set 2014 24. Set 2014 24.	land and cosh, an reported by value considerinally primery weller grouping in OEAR PROBAILyncill sation.
75 PG&6	A03	RSFS	ьc	TRC Leveland Cost (S/kWh)	Cost per unit saved	Metric	Lauetland coad of energy ethlateous per VMN, therm and TNC severiced Coad (5/KWN) KW1 (see both TNC and PAC)	Residential (RGF)	2016		240.000				10.37		(a.)	0	69.33		634 AND 703 30	THC used per kilds or per three as per kild is [ThC Cod a linearies denoting, Total Received, Vincento, Vincento, Vincento, Vincento, Vincel Received, Vincel Received (Vincento, Vincento, Vincento	inveloping on an operad by order consistentially privary unite grouping in GE68 PROSEI specification.
76 PG&6	A03	RSFS	LC	TRC Levelized Cost (S/therm)	Cost per unit saved		Levelandood of energy efficiency per KM9, therm and KM1 (une both THC and PAC)	Residential (RSF)	2016					Ĭ				1				KAN HERALA I. L. H. THE could get Mills so par like on par Weller provide in (The Could a Benefits, Total Benefits), University Wells are (THE Could a Gas Benefits, University, University Related to a Could get and the Could a Benefits, University Related to a Could get and the Could get an	leveland only an experied by vector carecident with primery vector groupings in O2446 PRO5688 specifications.
77 PG&6				itu	Energy intensity per SF household		Average energy we intercitly of dagle family barries, average scape per hausehold – not abjumel) Average scape per hausehold – not abjumel)		S1. N/A - indicato	\$16.478.492	10.744.757	56955	50.65	0	\$1.46	\$1.46	\$1.46	N/A - indicator	\$1.30	50.81	56 251 028 29	2 7.422 128 92 them or (IRC Cost a Dentrin Benefits/Data B	Reached refers to a unique account and previor 10 in 37 segment
78 PG&G				First year annual KW gross			Price year annual and the give in each off the evolution of the evolution	Residential Sector – Multi-family (RMF)	2016 N/A - Indicator	N/A - Indicator	A/A - Indicator	56965	N/A - Indicator	N.O Indicator	N/A - indicator	N/A - Indicator	N/A - indicator	10,153	N/A - Indicator	ArA - Indicator	N/A - Indicator	4 529 282 Rendom saring: Unio 288 Janual Report, Targeta are aligned with OVIC asing to goals in 2.17 04 031 and the 2308 Principal and Gasto Goaly.	Multi-family designation lands an shedling type in ISBE detakans and refers to any including or property with at large two enclosed a brackay with Multi-family saving include 12% of the rational brack bracketing latice based on the arctificat of these forces from the saving matterns.
\vdash							nuttranny usadimes (se-uni, usin nuevo in a la di matter enterna konsula (setta para innual a dalifengto eo anto (set-valuttan) (set, electri, usadimena i sunag (porc ad electric mattranny usatimes (se-uni, usanica ausa, ad electric		3 6	10 N/A	au fa	668 CG	C ALC	4373 558384	6976	e 700	e 603	9,070	11.034	369.4	N.74.	N/A	en for perfora d'Anne Bereg Reports sentin malt family exchanges. Nalt family designation based on dealling types in RSEE designer and oders to any balding or aroundin-ot
79 PG&E				First year annual KW net			metered accountil	Residential Sector – Multi-family (RMP)	2016	66 N/A	N/A	569.55	5.247	4492 912775	5.991	7.697	7.949	64,810,408	9.887	165.	N/A	Reading serings to in 2015 Annual Report Tagets or adjuged with OVAC adapter goals in 8.21 (HO2)Land the 2018 Primetal and Backs Unity. R/A	sea residential baselag webs Mali family writige include 12% of the caring here. Residential foreign datum basel and begrefilms of finne foreign begrets sentia malis family nationers.
80 PG&6				First year annual kith gross			NYET gana kanada akat Magalawa wang Dipawa katata kanada kanada kanada kanada kanada kanada kanada kanada kanad Banata kanada kanada Inter kanada kanada Inter kanada	Residential Sector – Multi-family (RMP)	2016	1 N/A	N/A	569.55	27.212.123	22003585.88	29.962.926	28.239.163	29.675.135	40,014,569	50.095.694	1.640.617.9	N/A	Randime savings to in 2015 Annual Agent. Experies on adjuged with OVG adapter grads in 2.17 04021 and the 2018 Peterstal and Bach Study. N/A	Multi family indeparties hand in enderlingsparse in NEA deviations and others to any history or payerly with an load term melinistic handwork. Multi family strange index 20 Kel interange transfersionical forego lakinor leaned on the parellan of litere longy laparis service and family sealances.
81 PG&6				First year annual kith net			Prict persistential and/though ex-ame (pre-voluntian) pre, electric, modernano canego (pre-voluntiano) pre, electric, modernano canego (pre-voluntiano) electricano canego (pre-voluntiano) electricano canego (pre-voluntiano)	Residential Sector – Multi-family (RMF)	2016	13 N/A	w/a	669 66	27 776 164	24202442.25	27 004 041	34 597 974	35 644 653	2,752,920	44 384 633	1 301 311 0	N.74.	Bandine savings to in 2016 Janual Hayon. Tagets are aligned with OVC adapte grads in 3.17 04:021 and the 2018 Printed and Easts Usaly. N/7.6.	Multi family delapation leand existellar lyggen i NEM delabase and offen is en opticaling or property with at least term realisticit honey with Multi Renty view produce TRA is survived from Reidential Energy Melver have on the portion of Home Energy Experts service multi family ranisomes.
82 PG84				First year annual Therm gross			Pest year insuid addifiespite re-area (pre-volution) get, etc.org, and etc.org, lower, device of for matchenity-address (or lower), devices and watcher extends address (or lower), devices and watcher etc.org.com/devices ac-lower (or exception to the common address ac-lower)	Residential Sector – Multi-family (RMF)	2016	17 N/A	N/A	569.55	1 222 535	1094811.415	1.422.317	1.783.970	1823.791	1,897,754	3.588.837	92.942.1	N/6	Renative savings tim to 2018 Annual Report. Tangets are aligned with DPUC adaptes grads in 8137 00:021 and the 2028 Potential and Easts Usay. N/A	Mall forely designation based and adult grippers RAEM designer and the same of the site any holding or property with a foreit and meridential based parts. Mall design assing in solute RAE of the same transmission for design deliver hand on the perform of iteme longy Reports sensitis mall family rankeenes.
83 PG&G				First year annual Therm net			First peak annual and inforquite even and (per-evaluation) gas, electric, and demand scaling (poor, and end) for another by submersion (in young, company) and instance entered accounting performation and informations as a loss (incompany) and the second of the performance of another second on the second operation.	Residential Sector – Multi-family (RMF)	2016	19 N/A	N/A	559.55	1.164.785	1085259.807	1.198.230	1.492.995	1 528.048	29,452	2.368.433	62.818.41	N/A	Rendline savings kinis 2018 Annual Rayon Targets are aligned with CPUC adapter goals in 5.17 00-021 and the 2018 Peterstal and Gauls Usaly. N/A	Multi kerigi designatan kanat ententi tergiyari NBM deskene and edes in ang halding or poperty with ai lanat maranishteti hangan desk. Multi kerigi yang beste di di an ang pana fersiontal fongg Jahiver kanat an die gerflen al Hone Deng Reports sontin multi family rasionen.
84 PG&G	A03			Lifecycle ee-ante kW gross	51: Energy Savings		Frist year sinus à addifeighte eo ante (pre-volution) get, electric, addienand sameg (getor ad ante fair authorship statement of the sinual, colonies, and instate entend sciences)	Residential Sector – Multi-family (RMF)	2016	10 N/A	10.1%	668 CG	40 201	4074 674360	12.271	16.136	10.034	27.707	33.662	1 4/6 4	N.74.	All locations arises to to 2008. Jonual Report. Surgets are aligned with DNLC independent on D-12 OR-231 and the 2018 Patential and Garls Study. N / A	Mall keriji designation lanar dendi Teglyne'n NBA deskon zeri ofer in en perketing o property wie kalana narmalietik huazing wits. Mali fantly sazingi indale INA di teraring kent fesioletik linang kleive kanat an ite gerflas di form lang flagets senis mali fantly rationes.
85 PG&G	A03			Lifecycle-ex-ante kill/ net	S1: Energy Savings		Pirt per annual and filegele evants (pre-exclusion) get, etc., underenas annuage (prox. and end/for undfrahely andrenas (press, dantenas ann, and instate etc., and annual (press, dantenas ann, and instate)	Residential Sector – Multi-family (RMP)	2016	2 N/A	N/A	569.55	16.094	4920 606436	18.648	23.766	24.319	84,535,710	20142	643.5	N/A	All based one-scalings to be to 2000. Journal Bayers, Targets are aligned with OVC adopted goals in D.12-OH-DEL and the 2008 Peterstal and Goal's Dudy. N/A	Multi fentig designation konde en deutlingsperie IREE desidence and networks any holding or property with at least networksished benegatorish. Multi distance participation benefation of distances from facilitation and the perform of interesting from the state of the performance
86 PGBE	403			Lifecycle ex-ante kWh gross	51: Energy Savings	Metric	Prist per annual analifangule en entre (per -enalitation) gas, denors, andersmal canangi (proc. en entre and engliser multifansky auszament (in-vart), dominion anna, and wastan meternal auszambő)	Residential Sector – Multi-family (RMP)	2016	2 N/A	N/A	569.55	55 869 490	28804776.62	96 Q 144	72 225 692	74.847.917	82,215,532	94.506.505	11,247,387,4	N/A	All handlow natings to in 2018. Jonual Report. Targets are aligned with DVL adapted goals in 0.327-09-038 and the 2018 Peterstal and Gauly Study. N/A	Mahi kenigi designation kanal en dendi ngi yeper IABE datakana ani denis si any kalading ne property wita ai kana na mendembai kenalaga wita. Mahi fansity seningi include 121K at iteratings humiteriatetia (hengy lakisor kenal an itergendian at itang langesis senina mali family nataones.
87 PG&E	A03			Lifecycle ex-ante kWh net	51: Energy Savings		and produce standing of the end of cancel and a stand and the information and and and the information and and information and and and the information and and information and a standing (approximately and a standing a	Residential Sector – Multi-family (RMF)	2016 46.330.1	64 N/A	N/A	509.55	50 840 793	28475120 12	55.642.895	71 196 197	73.679.032	7.347.195	92030615	9.376.722.2	N/A	All locations arises to to 2008. Jonual Report. Sargets are aligned with DNC adapted goals in 0.12 OH 231 and the 2018 Patential and Gaa's Dealy. N/A	Mall keriji designation lanar dendi Teglyne'n NBA deskon zeri ofer in en perketing o property wie kalana narmalietik huazing wits. Mali fantly sazingi indale INA di teraring kent fesioletik linang kleive kanat an ite gerflas di form lang flagets senis mali fantly rationes.
58 PG&G	A03			Lifecycle ex-ante Therm grass	S1: Energy Savings		Part persistenti and filegade en ante (per-environtan) (pe, etc.), underenad samog (porc and ord/for unifformly calaming (porc, part ord/for antimatical) calaming (porc, part order) etc.)	Residential Sector – Multi-family (RMP)	2016	12 N/A	N/A	569.55	5.848.027	2454320.425	1.765.005	4.761.189	4.867.468	7,602,120	9.578.152	1.192.340.4	NGA	All Securities and equivies to 2018. Jonual Reports Targets are aligned with OVC adapted paths in 0.12 OH 2018 and the 2018 Peterstal and Gau's Souly. N/JA	Malli family designation leand on sheefing specie ISEE database and others to any halding or properly with ad least tear maintain brazilar with Malli family assings include ISEN of the scattered bram. Residential from gradience least as the perform of None Georg Depends sensitis multi family rankness.
89 PG&G	A03	RMF1	\$5-KU	Lifecycle ex-ante Therm net	51: Energy Savings	Metric	First year annual and they de ex-arte (pre-voluntion) got, eterator, and demand summing (proc and not/for multifulnely account), or writ, common area, and macter metered account)	Residential Sector – Multi-family (RMF)	2016	ia n/a	N/A	569.55-	4.190.605	1847265.176	3,824,362	4.796.783	4.902.856		9.649.755	749.543.8	NG	All handlowsed up to in 2018 Jonual Report Targets are aligned with OVC adapted parts in 0.37 OP321 and the 2018 Petersial and Gards Undy. N/A	Mahi femily designation based endeding specie NREE declaters and offers to any laditing or property with at least team ensistential should write Mahi femily survey in should 12 Net of the saming. I ven flexidential Decay laditore based on the partition of Hone Decay, Reports sentiste mail is family satismens.
90 PG86	A03	RMF 1	SI-MM	First year donaed WW gross	11: Story Soling	Metric	na provinsional display to al Jon Andrea Managementational display and will be provinsional and and al Jones Managementation of the second sec	Realmentar (mase - Made Sensis (Mart)	2016	8/8	8/8	50952	22	20141110	N/A	5/4	8/3	1,05	5/5.	109.4	806		
01 PG85	A02	RowF1	51-MM	First year annual KW net	51: Energy Savings	Metric	neg ar small million and grant and data particular and analysis of the small data particular and analysis of the small data second analysis second analysis	keelentii (essa- Mais'anii (Mai)	2016	96/A	8/3	0000.0	5/4	201.1706000	R/A	N/A	N/A		N7A.	61.01	N/24		
92 PG85	AD2	RANF1	51-MM	First yeer annual Web greas	51: Sangy Sailage	Metric	na garana and mang ang ang ang ang ang ang ang ang ang	Restanti (mu-Matinek) (Mil)	2016	875	878	Laure	875	2002 110/07	N/4	6/4	w/s	1,05.	1176	41.64.7	876		

Pa Name: Pacffic Gas and Electric Company Budget Year: 2022-2023 Table 17: Metrics Compliance Filing 2022-2023 Decaract is embedded in the Mid Term Forecast. Final results are provided in the Am

Pa Name: Budget W Table 17: 1 2022-303	c Pacil Iear: 2022 Metrics Co 13 Forecast	Fic Gas and I 2-2023 ompliance Fi t is embedde	Electric Cor Filing led in the Mi	ipany I Term Forecast.			e Annual Repor		r			i.						1		1				1				0.01	Gentlem	Out Top Law		and Line Te	a tana l						
PA ADA Pag	er Att	sk Onder	Method Code	Units of Measu	inent	Metria	Туре	Metric/ Indicator	Busine	os Plan Att A G	scription	-	Meti	k		Se	ictor	Raseline Year	Raseline Numb	aer Baselin	e Num Deep	n 20	17 Achievements	2018 Advi	evenents	2019 Adhieve	nents /	Innual Targets	Annual Targets Obtita Targets	Short Term Annua Targets (2020 Targets	Targets (2024.202	Long Te Ta IL Dool	nget Lonrei	2020 Achievements	2020 Numeral	or Denominat	tor .	Methodology	Key Definitions
9586 402		RMF1	SD-MM	Fint year annual	38h net	S1: Snerg	y Sawings	Messic	Pist year annual a gar, eined, and d antifaaniy aanta metered account (ndiffegate eo-ao estand contes (jo-unit, con en (jo-unit, con	is (pre-svaluation) sec and net/for mon-anes, and matter	g. Pinti yake ken	ui lad et Mo	Ser Medered	Reside	ential Sector – M	halti-family (RMF)	2016																			PGRI is an majority or and the is		
50A 1829		RMF1	S2-MM	Tirst year annual T	nu llos	S1: Energ	y Sawings	Metric	Pett year annual a gar, electric, and mittlanthy accan mittlenet accounting	ndlifequie ee an entand change (g ee (j o witt, dan	In (pre-evaluation) secand net(for non-area, and nucleo	e Polityearaon	uil Theoregues - 1	Mater Metered	kesde	iential Sector – Mi	halti-family (Red F)	2016	10 ⁷ A	2/2				4 19/4			CC1 CE01 (N	<u>~</u>				N/A		132.3	52.65 N/A	5/A	PSRI is see explored pr weather to in		
20A 1809		RMF 1	S2-MM	First year annual	term net	S1: Energ	y Sawings	Metsic	Patt yiat annual a gar, declara, and di mattanniy accan metered accaned	nd tife-tycle are to ename to none to ename to none, dan	In (pre-scalinstance) one and net(for non-area, and net(for	r Polit year ann	ual Thermost - M	biller Melaned	Reside	iential Sector – Mi	halti-family (Rid F)	2016	100										10			N/A				N/5	PGER in som respond pre- undelines to		
20A 2809		RMF 1	S1-MM	Lifeçide evante	W gross	S1: Energ	y Sawings	Metric	Pett year annual a gar, electric, and muttanity accan metered accounti	ndlifespele ee sa eenand contege (g een (so watt, daa	In (pre-evaluation) sec and net(dot montains, and nucleo	. Lifeyde ee a	ette KRY gruci - Ma	the Meteod	Reside	iential Sector – Mi	tuit: family (Red F)	2016														N/A				P ²	PGEI (see required pr and/or to be		
204 1829		RMF1	S2-MM	Lifecycle ex-ante	SW net	S1: Energ	y Sawings	Metric	Pett year annual a gar, electric, and muttanity accan metered accounti	ndlifespele ee sa eenand contege (g een (so watt, daa	In (pre-evaluation) sec and net(dot montains, and nucleo	r Lifecydw ee 1	ette KW 444 - Madi	er Metered	Reside	iential Sector – Mi	tuit: family (Red F)	2016										<u>~</u>				N/A					PGRI (see employed pr model are to		
9585 A03		RMF 1	S2-MM	Lifecycle eo ante è	Wh gross	S1: Energ	y Sawings	Metsic	Patt yelatahnul a gin, dechr., and mattanity autan metered account	ndifferigde ee sa estand daalogs (g ee (in walt, daa	In (pre-evaluation) sec and net(filer non-area, and nucleo	. Lifetyde ec t	wite KRAT-grout - M	lader Michaed	Reide	iential Sector – Mi	halti-family (Rid F)	2016														N/A		,			PGEE (some magning pr under to to		
9064 34299		RMF1	\$1-MM	Lifecycle ex-ante	Wh ort	S1: Energ	y Sawings	Metric	Post year annual a gar, electra, and da nutrifansiy accan metered accountij	nd lifesydie ee-aa emand caange (ge i for-walt, can	to (pre-souliation) too and net(for monanes, and matter	e Lifequir en a	ette Koth-net - Maa	Lier Meterind	Redde	ential Sector – M	halti-family (RMP)	2016	Jack .	ada	N/A			4 1968		17	ende 522 N	<u>~</u>	<u>Nr0</u>	2008.		N/A		1.022 9	3735 378	18/2	PGEI to an majorité pr undéfinis to		

Pa Name: Budget Yea Table 17: M 2022-3023	Pacific ar: 2022-3 Vietrics Com I Forecast is	c Gas and Elev 2023 npliance Filing s embedded is	ectric Compan ng Lin the Mid Ter	n Forecast. Final result	are provided in					1		T					1					Quart Trans	Gast Iver 1	Out Tom I word		ton Ton Local			1	· · · · · · · · · · · · · · · · · · ·	
PA ATIA Page	* 4114	Order Co	iethad Cade U	its of Measurement	Me	tric Type	Metric/ Indicator	Business Plan Att	A Description		Metric	_	Sector	Raseline Year	Baseline Number	Raseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 A	hievements	aniort term Annual Targets (2010) Targets	Annual Targets (1899) Targets	Short Term Annual Targets (2020 Turaat)	Mid Term Annual Targets 1949-1-34928 N/A	Target Debia.20153	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Kay Definitions
9682 403	Ka	MF1 SI-	5-MM Lifeq	cle moante Therm gross	51: án	ngy Savings	Metric But y	ear annud and lifesydie e lentry, anderenn f cana lentry anderen (i u-unt, ed account)	e ante (pre-evaluation) ge (proce and ent/fac common arra, and macter	Lifequie ex-ante Thema	ydd- Mazar Meaned	Reddential Se	etter – Multi-family (RMF)	2016																NV sector automotive discovered V a sector management of the sector of the sector of the management over the sector	
PG&E A03	60	MF1 S1-	5-MM Life	çle evante Them net	51: En	ngy Saviogs	Metric Metric neter	ear Jonus J and Theogles e lensty, Jacob Galerand Gales Hersty Justimer, Grunner Hil Accountig	e ante (pre-evolucionar) es (gruce and encline common ante, and macter	Lifequie ex-ante Them :	et - Mader Metsood	Redential Se	stor - Muti-family (MdF)	2016	N/A	20/0. 20		50055	82		9766974129	N/A 2	2000 1	<u>NOA</u>	N(A	86	<u>50 03</u>	122 105	N/A	NMC surday against sets of the set and set (MC set automatic sets and sets of the set and set and set and set and sets of the sets of additional sets of the	
PG85 A03	50	MF1 SI	9-0A Fire	year annual KW gross	51: En	wgy Savings	PVII y BA, et meter	ear Jonust and Lifeligite e lectror, and ensuing Loong end accountig	e-ann (per-evoluation) (a (pero an angle) common ann, and matter	nist year annual KW groe	- Cannego, Brea	Redential Se	ntar - Malt-Amily (BMF)	2016	20	50/A 20					4107722333			10	N/A	50	124.05		86		
PG&6 A03	89	M51 S	9-04 pr	t year annual KW net	51: En	wgy Savings	Psity BA:et NetSc	ear annud and theight e ectric, and ensued taxing ectrics, and densued taxing end accountly.	e Jarie (per-esclustion) de (peros and anglier common any, and master	Post year annual kitt eet	Camanoin Area	Reddential Se	stor – Mati-famių (BMF)	2016	505		~						wa	10	N/A	20		5-00 500 	10.0		
PG8.5 A03	80	MF1 S	9-0A First	eer annual kith grocs	51: En	wgy Savings	Post y Bok et meter	ear annual and the update exciting, and detected taxing exciting, and annuely (in work), ed account ()	e Jatte (per-evolution) de (pero and net/for democé area, and medier	frist year annual KRM gri	u - Cammun Avea	Reddential Se	stor – Mati-fanių (MAF)	2016											N/A						
PG&5 A02	60	MF1 SI	9-CA Fin	year annual kith net	51: En	ngy Savings	Put Ref	ear anns à an théografe e le ring, and de mand caning amby autament (to-unt, mé accounté)	e ante (pre-evolucitad) (gi grans and englise disensenaria, and master	Pod year annual KMI-ne	- Canimon Jona	Residential Se	stor-Mathfatik (BAP)	2016	8/4			Store	102		20051 62294	N/A		8/6	N/A	26	270.00	4.91 14/4	8/6	HE such a point on a discussion of the second	
9685 403	80	MF1 SI	90A Rest	ear annsail Therm gross	51: En	wgy Savings	PVII y BA, et meter	ear Jonust and Lifesjole e Lectric, and derstand canaj herly and annes (Jacom), ed accountij	e-ante (pre-evoluantale) gelgunos and anteface common-anea, and macter	not you aroud thereg	ssa - Camman Awa	Redential Se	eter - Malt-Amily (Mali)	2016											N(A					The control spectrum control and spectrum the spectrum control and spect	

	Pa Name: Budget Yes Table 17: N 2022-2023	Pacific Gas a ar: 2022-2023 Aetrics Complian Forecast is embe	and Electric Co ice Filing edded in the N	ompany tid Term Forecast. Final results	are provided in the Annual																			
Index Pd	AttA Page	e AttA Order	Method Code	Units of Measurement	Metric Type	Metric Indicate	/ Business Plan Att A Description	Metric	Sector	Raseline Year	Baseline Number	Baseline Num	Raseline Denom	2017 Achievements	2018 Achievements	2019 Achievements	Short Term Annual Targets (2015) Targets	Short Term Annual Targets (2003) Targets	Short Term Annual Targets (2020 Target)	Mid Term Annual Targets Target (2011-2023) (2014-2015)	d 2000 Achievements	2020 Numerator	2020 Denominator	Methodology Rey Definitions
		88451		First year annual Them net		: Metio	Programma da adale adal na seria (per el senseria) an el senseria de la seria (per se el seria (n el senseria) de la seria (per se el seria (n estante) de la senseria (per seria, el senseria a de la del senseria)	nat per anal finance of Contents Ave	Restmented Sector - Math Tennin (MMF)	2016	6	1/A		500526	100	2002 2000	54 1974		104	N/X.	2161	0.046	N/6	Mill salar garta ata da mataza 100 y gina ata Mila salar garta ata da mataza 100 y gina da
108 PG4	60A 3	88451	90	Lifecycle as ante VM groce	51: Energy Saving	: Mesío	The personnal anticidencies on any low excitations) and events, includences and gives and realized and already calculated () and galaxies and a data meters a second Q	, displit on all all give. Constantions	Recidential Sector - Multi-Territy (MMF)	2016	6	2/4		500526	806	0.91010	22 10/4	200	104	N/A 8/5		8 11/6	NG	Hild sadden garla sin shi wakaza 100 y dhata biy Managa ang yang ba ta 10 y
109 PG	5 A02	80451	90	Likegele so unte kill net	51: Energy Saving	. Metic	Pro gen en nad antificação en esta gen instantante. A sela facelar que tem esta de la constructiona de la constru- ciente a construição de la construição de la constru- mente a construição.	, stringth as and all set. Cannot have	Residentia (Jacur - Mathiania (Jacif)	2016	6. 1	1074 TO		500254	NA	68 105805	57 WA	N/A	805	104	20	-5 N/A	NG	NB cudio quoto an caso na kaza NB tra a social managemente de la cudio quoto de la cudio de la cudio de la cudio managemente de la cudio que tra cudio de la cudio de
110 968	5 A03	86651	50	Lifecycle en ante With gross	51: Group Sociop	i Mess	The gas in and addingston a set (gas values) and a set of the set of the set of the set of the set instant addingston () why, set on a set of the set mental addingst	ultiget en site telligete - Cannas Jose	Residential Sector - Multi-Sector (SMR)	3016										N/A				Table s valeta ante de la terra de
111 968	5 A03	804F1	50	Lifecycle as anta Walh net	51: Energy Souling	i Medd	The gas is used additionation and gas induced in the standard of the standard	ulingte exatistikhert-Calenau kes	Record Sector - Multi-Sector (MAT)	3016										N/A				NM - salah apada ana dalah sana MW ku di kunan mangangkan kun sana kunan kunan di ku di kula alam mana di ada ya kung kung kung kung kunan di ada ya kung kung kung
112 968	5 A03	804F1	90	Ultrychewarte Them gross	51: Energy Souling	. Medd	This gas invaduallinguis examines in a set gas evaluation) an anticological and the set of gas and a first for an end of the set of the meterical action 20	ubiger er att Transgas- Gamer Area	Record Sector - Multi-Sector (Mart)	3016										8/2		-		NM - setting and the set of definition that was all the definition of the set
113 96	5 AGA 2	86471	90	Lifeçde exante Them net	51: Energy Saving	i Metic	The process and the set of the non-statistic process of the set of the non-statistic process of the set of the set of the set of the set of the set of the set of the set of the set set of the set of the set of the set of the set of the set set of the set of the se	whight as all from on Connai Ana	Austientii (asto - Mali-Aniių (MAI)	2016	76 A	<u>uos</u> os		500774	10	47771648Y	12 19/4	N/A	1475	N/A	410.008	1 N/A	N/A	This cancer wants have put to the second the second s
114 PG	E A03	RMF2	6	MT CODieg	GHG	Metric	Greenhouse grows (MT CC3eq) Net KMS cavings,	CCD-equivalent of net annual VMN savings	Residential Sector – Multi-family (RMF)	2016	(A _ A	N/A N	VA.	569554	N/A	472.5	57 N/A	N/A	N/A	18,755	275.010	2 N/A	N/A	Calculated using CEI, and equated in the MF segment by deading type. Includes CCO but waiteOD and PAGS as these are not DEI regulations.

	Pa Na Budg Table 2022-	ame: Ps pet Year: 20 e 17: Metrics -2023 Foreca	acific Gas and El 122-2023 Compliance Fili ast is embedded	llectric Comp ling d in the Mid	pany Term Forecast. Final result	Its are provided in the Annual Rep																		
Index	PA Atta	A Page /	AttA Order	Vethod Code	Units of Measurement	Metric Type	Mesric/ Indicator	Business Plan Att A Description	Metiic	Sector	Baseline Year Baseline Number	Raseline Num	Raseline Decon	2017 Achievements	2018 Achievements	2019 Achievements	Short Term Short Term Annual Targets Annual Target Obtio Taranti	Short Term Annual Targets (2020 Target)	Mid Term Annual Targets (2003-1.20023) 0	Long Term Annual Target (2019.2015)	2020 Achievements	2020 Numerator Denominator	Methodology	Key Definitions
115	ogar J	ADA	RMF3	Dia	Lifecycle NiT kW	D3: Depth of interventions pe building	^e Metric E	tergy carsy (bob, i.e., therea) propert (building)	Laborycle en wete KM est per propert (building)	Residential Sector – Multi-family (RMF)	2016								U				Kanandar Talal sarang dalamatka Mirakali panjak Kanandara Sandar dikuling Katawa kana sinalikat	ning da ati jaka ding dalah di mali kanj sudara na dag kanal ng Kanal ng Kanal, ng Kanal ng Kanal ng Kanal Maga na mga kang na mga kang kang kang kang kang kang kang ka
116	NGRE J	ADA	RMF2	Dia	Lifeçede NET kitih	Di: Depth of interventions pe building	r Metric R	teregy samp (2015, ke, them () per poped () while g	Libeyle er atte Kithert propaget (Justing)	Residential Sector – Multi-family (RMF)	3006	20425-699	122.007	50055	405.1		120 11	1 15	180	186	705.831	2022 205 41.45	Sumethin Yada sa ray, chanad ka Mirakali angka. Bawahari ka da kaling ibid yao kasa una disaki	Entrop for all include along allocated as such than you have a seeing for an include along begins, as you web in the second seco
117	NGBE J	ADA	RMF3	Dža	Lifecycle NET Theons	D2: Depth of interventions pe building	^e Metric s	tarege sames (bith, iw, them i) are property building)	talwayde we water the ene out per project (building)	Reddential Sector – Multi-family (Rel F)	2016	1.100.217	122.007	500554		22	9.2 9	2 9.4	10	20	26.116	1166-838-51 41-856-98	Annester Vala sarap circusto M and projek Banataria Sarah Jahar da Manataria Manataria Sarah Jahar Jana Jana da Manataria	tempeta na navala inny distanta na si kon ya akana na
118	icat J	A04	RMF3	Di	Lifecycle NET kW	Dit: Depth of interventions pe property	e Metric (Nevage skringt per participant Savingt per project. (property)	talletyde en ante kill net per propett (progerty)	Residential Sector – Multi-family (RMF)	2016	14.491	28.517	569554	14	0.15	\$22 01	4 0.75	1	0.29	0.817	5.673 6.893	Rommelar - Tabil sociog, statemed fan MP ontwikt pospolo. Benamiseker - Namber of politiciparing properties.	Santag da wai incluite santage antiduded in mali family unationen maning times tange filosoft ong filosoft in this format on synch. To form unation of this filosoft to the same filosoft in a summa valiet or with El and the salter Filo, 1522 agent, to a summer that property for the Eling 1526 projects a summa valiet with El and the salter Filo, 1522 agent, to a summer that property for the Eling 1526 projects a summa valiet with El and the salter Filo, 1522 agent are sum your.
119	NGBE J	ADS	RMF2	ы	Läscyde NET kath	De: Depth of interventions pe property	r Metric d	Average Guings per participant Savings per project. (property)	trilegelæ en ante KMI-net per proprit (property)	Residential Sector – Multi-family (RMF)	2016	20.436.489	20.517	520.554	2425.0	255	3834 107	8 1053	1,082	1121	4.227.84	29.222.605 6.899	Kummular - Todal saalings slatmed for UP windst poopens Benentiaries - Nonter of perturbating properties B	laining har air hadh ataloga kitikahi is maki fani'yu alannar sasalog kana bang Bayaka, n Ah atalo is hananda ayadhar Tinang unaling "si kitayah kiti taring fanal manantarina aih Ba ndi ke alam Na, KEE agam kansane kal angkat spopon fan kin King Held manantarina aih Ba ndi ke alam Na, KEE agam kansane kal angkat spopon fan kin King HEE angkah saning par pangkat kinaman kj. Lifi gam aan yan.
120	isas J	ADS	RMF3	04	üfecycle NET Therms	Dit: Depth of interventions pe property	e Metsic a	twenge tuning per participant tunings per project. (projecty)	Lifecycle en-ante Them not per project (property)	Residential Sector – Multi-family (RMF)	2016	1.100.217	20.517	500554	360 C	100	55 5	د n		60	169.097	1166-829 6-899	kummeter Steld sadagsskelmed for kill nivelligenjesk. Remeniseker Kunise of participal og proprint.	Entry de na Unitair sarage atributer la malé denthy submars saraing ferendrong Bayerin, ao No, melo in Banadara papin. De la managembar sa sarage atributer paping sa saragembar saragembar paping har ten Eling Banada na sameradama atrib 20 adé ten atrib PA, 1522 agun kan sarane ten atripanja i paping har ten Eling 1525 apripak sarage par paping har bernara (s. 126 para ana yan.
121	PGEC)	ADS	88453	05	Lifesyde NTT Kw	DS: Dapth of Interventions: Pr square fact	W Metric B	terg lang (M), ia, Rent Jer quin fait	schapter on water Mit wet per square flowt	keskenti (etta - Mali-kesk (MMI)	2016	8 653	9.419 7.60		0.000		4002 0.000	5 0.0026		0.0012		507 514127	Annah far til storing mengen för storing mengen förstar at som för at storing mellafat i för anngrugara hängd VV som s	n ib bag ang ing ing ing ing ing ing ing ing ing i
122	nat i	A08	RMF3	05	Lifecycle AGT kith	DS: Depth of interventions: Pr square feat	W Metric I	terg sang (m, is, timi) je qan fat	salasyte ne sala kikhan gan syaan faat.	Reidentia (actar - Mail-Senity (MAT)	2016								0				Names for groups	n da Tang ang-Sangati mang. Tanan ang ang ang ang ang ang ang ang ang
123	PG&C >	ADA	RMF3	05	ulleçde NET Thems	DS. Depth of Informations. Pe square fact	W Music t	terg sang (M), ta, ternijar spar fast	uluşda en ate Tazer organ Şazî	Ansletisi (assr - Mat-Beiky (MAT)	2016	46100104	4413.740			728			1			2222.00	Names for 30 million Theorem is a stand of county of an and a stand is destinent manufacts in a stand of an address of the stands	with the ground - However Minutes, with the spectra of the state of th
124	KG&C >	ADA	RMF-4	P1.P	Person	P1; Peretration of energy efficiency programs in the eighter nate processor Participation	Music a	Nexes of gardgarden solver in ingine paparties by	renne digantequan notice to english papatenchy antonio	kesletti (sta - Mal-bela (Md)	2016	1.815.288	9.419.760	50000	• •	674	04 0	. 65	¢	<u>. s</u>	62	116.29 581121	Namina daga dang tang tang tang tang tang tang tang t	nangana kata kata kata kata kata kata kata k
125	NGBE)	ADA	RMF4	91-U	Percent	P1: Penetration of energy efficiency programs in the eligible market: Penetration Participation	Metric	Percent of participation withdre to eligible population (by and, and property)	Percant of participation relative to eligible population by with	Residential Sector – Multi-family (BMF)	2016	20.517	2 191 272	500554	2.07	0.289	0.65% 0.65	5 0.48%	•	0.52%	0.29%	6.417 2.247.350	n November Novike of datasetemperingstog M with Jurige assessed and presented (N) Demonitories: Their worker of unique assessed and provide (Ch. in the MF regres	Performance in address on the first increase of gambigation.

			nd Electric Company a Filing dded in the Mid Term Forecast. Final i																				-	
Index PA	ATIA Page	AttA Order	Method Gode Units of Measureme	t Metric Type	Metric	/ Business Plan Att A Description	Metric	Sector	Raseline Year	Baseline Number	Raseline Num	Baseline Denom 2017/	chievements 2018 Achieven	ets 2	19 Adhievements	Short Term Annual Targets (2010 Target)	Short Term Annual Targets Oddat Targets	short Term Annual Targets (2020 Taraati	Mid Term Annual Targets (20074-20073)	Long Term Annual Target (20134-2012C)	2020 Achievements	2020 Numerator 2020 Denominator	Methodology	Key Definitions
126 PGB	: A04	PANF4	P2 Perset	P2: Provession of en- efficiency programs in to square first of eligible pap	10 m of Netto	Novel of logical free of infigure gas datase particular garranged	mana a ngan ka si ngan pupitan punitan pangan Inganang	4 (andersal Sector - Makshenik (Mal)	2016										0				naman laun kang dan k Mang dan kang dan kang Mang dan kang	
127 968	A04	RMF4	Pil: DAC Percent	P3: Penetration of en efficiency programs in eligible market - DP	10V the Metric	 Percent of participation in disabunction 	Percent of participation in discharation de communities	Residential Sector – Multi-family (RMF)	2016	0.659	9.415.257	1.447.965.390	500154	207%	0.19%	0.66N	0.66%	0.667	0	0.72%	0.299	5.842.120 2.045.187.48	2 Nonestan Sheder of participants in Scattandagof communities (origon association) and particularly Demonstration (Solid Scattandagof association) powers (Ds. in discolaring of a second scattandagof	a BAC machineses, defined in anomeniumer antis 3,2000,002
	1									130	3 63 7	358 384	6090CA	0.00%		4 34%	1 24%	1 245	0	1.45%	0.00	. 319.60		
128 PG8	ADA	RMF4	P4 Percent	P4: Penetration of en efficiency programs in th market	eHTR Metric	Percent of participation by customers defined as "Nano to reach."	Percent of participation by customers defined as "hand-to-reach"	Residential Sector – Multi-family (RMF)	2016														Kommuter Norder of XTENP participants (onlyse associated previous)(20) Description Total number of NP XTE scalarses (onlyse associated previous (2)	PTRovelanes defined in accordance with 0.18 05-081.
129 PG	: A04	RMFS	kt peset	MF Becchmarking Pene	ation Metric	Woard of Banchandor and States y superior contents	encore of an abundle and family page for solely is the oppler pagetation	⁹ Beschertisi Sector - Multi-Sarily (SMF)	2016	0.02	603	2191372	100114	0.10%		0.035	0.04%	0.053	0	0123	022	140 242.02		
130 PG8	: A04	RMFS	66 Persect	Benchmarking of HTR Pro	oeties Metric	Present of Sanchina bing by properties defined as: "Note to reach"	Person of the schema ranging properties, defined as "Tand Sciences"	Residential Sector - Multi-Sector (MMF)	2016	0.022	a	172.021	500554	0.00%		0.04%	0.05%	0.000	0	0.09%	0.59	12 21.57		Na anto apone popular la colora del diferil conteñes por
131 968	. AD1	RMF6	LC PAC Level 2nd Cost (5,7)	W) Cost per unit save	Metric	Exercised coord of energy efficiency per KMA, therm and KME (see loots TRC and PAC)	FILC Level and Cold (5,608)	Residential Sector – Multi-family (MdF)	2016	5468.00	58,729,541	18.653	559554	5227.18	1.125	5468.00	5468.00	5468.00	eca	5468.00	59528	55.000.007.74 6.30	PAC and you VAIDs or per down or your VAITs (PAC Cast a Cast a Clearian Denoting/Vaid Benefits/Udwysels da VAIDs on PAC Casts is a Search (Schall Denoting/Using) do norm or (PAC Cast Denoting Schall Denoting) (Schaper below) The adapted available cast methodology dawn, nat penalde informationing penalde a memoryhol value for TEC or NAC Cast you NU.	and advanta an reported by an increased with primery on the grouping in QEMI PROMINg and ration.
132 958	A04	RMF6	LC PAC Level 2nd Cost (\$/k	(h) Cost per unit save	Metric	Leveland cost of energy efficiency per KWh, therm and KW (use both TRC and PAC)	PRC Leveland Cost (((AVM)	Residential Sector - Multi-family (RMF)	2016										0				PAC cost per VAH ar per thermar per VAH is (PAC Cost a Electric Benelis), "Intel Benelis), Cheyde Mei VAH ar (PAC Cost a Car, Benelis), "Intel Eserlis), Universe h therm ar (PAC Cost a Electric Benelis), "Intel Benelis), "Universe KetVAH respectively	a level and costs are reported by under concludent with primary serier groupings in GE688 FROGRAB specifications.
133 958	. ADI	RMF6	LC PAC Level and Cost (\$/th			Eventsed cost of energy efficiency per WM, them and WM (see both TKC and PAC)		Residential Sector – Multi-family (RMF)	2016	50.1 51.0	58,729,541	46 333 154	CONCA	50.11	•	50.19	50.19	50.1	1	90.19	\$0.1 60.0	56.006.687.74 29.600.50 51.407.200.40 2.405.24	0 PAC cost yes VAIb or yes shown on yes VAI's (PAC Cost i Alimetric Benefits/Sold Benefits)Coheye's An VAIb or PAC Cost i Ans See Alexa Costs, State	and selvesh are opened by value conclusion with privary value grouping in QEBR PROSER questionies.
134 PGB	AD1	RMF6	LC TRC Level and Cost (\$/V	A) Cost per unit saves	Metric	Excellent cod of energy efficiency per VMN, therm and KM (use both TRC and PAC)	THE Lovelland Care (1)/00)	Residential Sector – Multi-family (MdF)	2016	6478.3	58 022 435	19.652	CERTCA	CC44 44	1 369	6478.34	6479.34	6478 3	478	6170.34	51 107 /0	5756.0472 638	TRC cont par blith or per Herm or per bW is (TRC Cost a Univies Boostin, Costa) Boostin, University Solar Valla or (TRC Cost a Cost, Boostin, Charles, Boostin, University Ne Interest or (TRC Cost a Enseits in Boostin, Charles, Boostin, University Net IAV The adapted avoided cost methodology does not preside information to preside a menticipal Custom STRC or IAC Cost, per IAV.	and and each arr-special by solar new shirt aids primery solar grouping in (02:08) PO0000 specifications.
135 968	A04	RMF6	LC TRC Leveland Cost (5/k	th) Cost per unit save	Metric	Leveland cost of energy efficiency per KWS, therm and KW (use both TRC and PAC)	TRE severated Case (\$/kith)	Residential Sector - Multi-family (RMF)	2016										0				THC and per Mith or per iteres or per MV is (TNC Cost a Electric Resells, Total Resells, Mercula Net Mith or (TNC Cost a Cost Resells, Total Resells, Total	Level and each are reported by under concludentiatile primary under grouping in GEGR PROBABIl specifications.
136 958	A04	RMF6	LC TRC Leveland Cost (5/th			Enveloped cost of energy efficiency per KWN, therm and KWI (see both TRC and PAC)		Residential Sector – Multi-family (RMF)	2016	50.31	\$9,922,425	46 330 154	569554	\$0.17	0	\$0.19	\$0.19	50.1	1	90.19	50.1	\$7.545.634.72 29.030.50	g down or (TK Casi a Desiria Benefits/Intel Benefits/Did wyde Nel MV TK casi gwrhifft ar gwr Benn ar gwr MV is (TK Casi a Banica Benefits/Intel	
										\$1.03	\$1,938,805	1.815.288	569554	\$1.10	1.804708234	\$1.07	\$1.07	\$1.0	N/A - indicator	\$1.07	50.6	51.504.658.16 2.405.21	Renefing Unrysie het Vals an (192 Gast a Gas Benefin (1966) Benefin (1966) g. dorm an (192 Gast a Electric Benefin (1966) Benefin (1966) Benefin (1966) g.	
137 PG	A04	RMF7i	62 Btu	Energy intensity per M	unit indicate	Average energy use intensity of multifamily units. of including in-unit accounts)	Average electric and gas usage per unit	Residential Sector – Multi-family (RMF)	N/A	N/A - Infector	N/A - Indicator	N/A - Indicator	SCOCCA M/A . Individual	N.D	odentre .	N/A . Indextor	N/A - Indicator	N/A - Indicator		N/A - Indicator	N/A . Indicator	N/8 - Indicator 2 (186 197.68	Kommuter Tatel MP energy van fram FEEE database (ges + decisis) Semeninater Tatel units in MP segment	
138 PG8	50A	8MF21	60 be	Goorg intendity per M	unit indicate	 Antip ang un social ability to be integrating on specific and ability to be antipological processing on stational ability of the stat		Nodaritá Sator - Mult Santy (Bat)	N/A	Nő-Islano	N/A - Indicator	NA-bdote	LECO NA MOREN	NOL	ndeator	N/A - Indianar	N/A - Indicator	NA-bdcasr	N/A refeator	NA-Islator	wa indotar	50. belog: 1261.974	naman katif ning saka Manakat (n. 1991). Mana	
139 968	. A05	a	51 kw	S1: Energy Saving	Metric	Frit year annud Anthingtin eo ann (pre-industras) gar, einite, an deineast samp (press and ref)	nat year securit fat gens	Communiti Sector (IC)	2016	24.27	N/A	808	569 554	27.167	34090.16308	28.466	21.247	28.00	17,416	4150	14.66	N/A N/A	Automatical data is supportentiamente della primary ante grano y col 10088 19000000 geneticatione nel effect col la antenenaria magnitaria 3018 dana di faceri l'argen arra col a col 2010 dall'Automatica anti data fistato, consistenti del della data arra arte data dall'Automatica anti data fistato, consistenti del della data arra arte data dall'Automatica anti data fistato, consistenti dal	-
540 PG8	. A05	a	51 kw	51: Energy Saving	Mesic	Pet per anual addingste se any (pe -outurne) (pe, electri, addennationey (peu ad re)	nice par investi let sec	Commercial Sector (D)	2016	89	N/A	8/8	509 554	20.048	27018 45812	28.407	21.912	20.02	26,180	28120	11.77	N/A N/A	hadrah data happatri mani ang dipang pang pang pang pang pang pang pang	-

					ire provided in the Annual Repo																				
Index Pi	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Raseline Year	Baseline Number	Raseline Num Decom	2017 Achievements	2018 Achievements	2019 Achievements	Mort Term Annual Targets (2010) Terrari	Annual Targets Office Targets	anort term Annual Targets (2020 Turnat)	Mid Term Annual Targets (2017-0.2012) 192,712,022	Target	2020 Achievements	2020 Numerator	2020 Denominator	Methodology Key Definitions	
141 96	IC A05	α	51	kwb	51: Snergy Swings	Metric	rest per source and antiference ensure per sourcement of each ensure the source of each ensure the source of each ensure of ea	mat par anual kitti goos	Connercial Sector (C)	2016	460 C68 3CE	ura ura	626 553	140 102 00	c 462165 45.4	26 - 103 403 386	- 449 784 870	45.2 307 078	128,279,541	743 4 78 649	0.4 706 605	N/A B	N 74	Normal and a structure of a structure of the structure of	
142 96	le Adg	a	51	xwh	51: Energy Savings	Metric	rst per insuit intificação en ante (pre-solution) dos, electris, anis demanda tranço (grano, má enci)	nus par anus konner	Commercial Sector (C)	2016	144.632.992	nda nda	520.520	110.948.7%	13058479	56 101-02121	116.136.760	111.005 104	18,19,41	153,668,910	71.002.070	N.CA. 5	N/A.	And the is a second sec	
143 95	ie aos	a	51	Them	51: Georgy Savings	Metric	Pata para annual and they dire ea a ris (per evaluation) par, electric, and alemana tannge (group and ane)	rist par Janual Theorem	Commercial Sector (C)	2016	A 14C G87	ura ura	200 523	100510	0. 3376003	100 102661	3 607 144	3 764 634	3,664,603	4.645 433	4.877 574	w/a 4	N/A	National and a fairful device and program (SER) Ministration and an experiment and an experimental sector and the device program and and the SER device program and and SER	
144 96	ie ads	a	51	Them	51: Georgy Savings	Methic	rest par annat antifeside es ara (pre-ratuation) pa, electri, and denata Lange (proc nel un)	rist par anual filen uar	Commercial Sector (C)	2016	2.012.184	10/A 10/A	520.520	100520	0 2104588	44 2128205	2.417.200	2309.165	2,062,824	2.401.486	7827.07	N.CA. 5	N/A.	Andread and a large data service and a servi	
145 PG	ie ads	α	51	kw	S1: Snergy Savings	Metric	rest par annut mellificação es arto (pre-notastan) pa, electric, andoenand samge (proc and art)	Lifenção en unite las graci	Cannwold Setter (1)	2016	248.227	N/0. N/0.	520 520	200.181	0 277683.05	158 215 604	255,750	210.665	400,969	445.129	10.00	N/A 5	N/A	Normal da la construcción de defense com esta construcción de la construcción de	
146 PG	ie ads	α	51	kw	S1: Snergy Savings	Metric	rest par annut mellificação es arto (pre-notastan) pa, electric, andoenand samge (proc and art)	Uffengelø en anter RØ ant	Cannwold Setter (1)	2016	277.535	N/0. N/0.	520 520	225.05	2 203287.	448 225.117	260.125	281.274	206,711	222.354	123.403	N/A 5	N/A	Normal da la construcción de defense com esta construcción de la construcción de	
147 PG	ie ads	α	51	1986	S1: Snegy Savings	Metric	rest par annat melléngée ne are (pre-natures) pa, éncir, andéresai tangé (proc nel or)	stheyte e was tall gues	Canonweid Sector (C)	2016	1.996.793.417	N/A N/A	520 554	157186100	4 17210001	125 1.507.065.302	1.094.482.005	1.535.042.175	2,006,041,463	2,219,047,467	700 591,213	N.CA. 9	NGA	San for a langua second and provide second applies (1988). Manafel Second applies and applies (1988) (1984) Manafel Second applies (1988) (1988) Manafel Second applies (1988) (1988)	
148 PG	ie ads	α	51	1986	S1: Snegy Savings	Metric	rest par annat melléngée ne are (pre-natures) pa, éncir, andéresai tangé (proc nel or)	chingér és ante tablocat	Canonweid Sector (C)	2016	1514.448.618	N/A N/A	520 554	1.192.740.52	1204.579	1211-004-489	1.365.827.843	1.233.693.002	1,522,348,663	1.003.884.454	641728.27	N.CA. 9	NGA	San for a langua second and provide second applies (1988). Manafel Second applies and applies (1988) (1984) Manafel Second applies (1988) (1988) Manafel Second applies (1988) (1988)	
149 PG	ie ads	a	51	Them	51: Georgy Savings	Methic	rest par annat antifeside es ara (pre-ratuation) pa, electri, and denata Lange (proc nel un)	-dirupte es ante llaves gans	Commercial Sector (C)	2016	48,792,469	10/A 10/A	520.520	61335508	6 46.171.1	20 20 10 4 0 6 1	24.805.224	12 566 682	43,130,398	47.608.928	al.472.641	N.CA. 5	N/A.	Andread and a large data service and a servi	
150 PG	ie ads	α	51	Them	S1: Snergy Savings	Metric	rest yar annat antifeksjon en ant (per estatuten) pe, enote, andersaat anne (proc and ant)	tifeqër e anto Them ant	Canneral Setter (1)	2016	24.617.563	N/A N/A	520 554	20.460.87	29.003	171 22.033.413	25,289,492	23.684.115	31,336,476	34583577	1136.51	N.CA	NØA	San and an a supercharacteristic strategy and states. San and the supercharacteristic strategy and strategy	
151 PG	16 A05	α	8	Percent	S2: Percent Overall Sectoral Savings	Metric	Pirit year annual and life-yele ne-ante (pre-evaluation) gas, electric, and demand camps (proc and net) as a percentage of overall sectoral usage	Percent first year annual KW goos	Commercial Sector (C)	2016									Ŷ					Kanadra videka Cl. Bausshariar - Takir Januar Vali Anklanar Happina Santoni, Gauga pinar Vali Anklanar Happina Santoni, Gauga pinariari, Ink. Yakir sama shahan Habija Shahani and Kahani Ada Shahani and Shahani	
152 96	16 A05	α	8	Percent					Commercial Sector (C)	2016	0.25%	34.271 13.673.625	569554	0211		0 0.21%	0.22%	0.21%	0	0.20%	0.159	54 684	9 928 976	Normanian childrin Ci Denominatar c Talal commercial usage from PGEI database	
153 PG	16 A05	α	Ω	Percent		-			Commercial Sector (C)	2016	0.195	25.511 12.672.625	559554	0.159		0 0.15%	0.16%	0.15%	0	0.21%	0.12%	11.772	9.828.976	Namenter visites G Insumstrates - Talati summer et auge from ANA dealers - Projectie Casherd auge derived ge and party og for formasierta annual paranti.	
154 PG	IE ADS	α	Ω	Percent		-	Pest year annual and life-yele ex-ante (pre-evaluation) get, electric, and demand cange (proc evaluation) get, electric, and demand cange (proc electric) as a percentage of overall testand urage		Commercial Sector (C)	2016	0.56%	100.500.356	569554	0.481		0 0.44%	0.47%	0.45%	0	062X	2419	94 200 859	23 261 361 113	chargin comparison CDL serve dará por servenie dos Maño "unancistanas" Reservence 1992 Martín Calcola Maño Maño Maño Maño Maño Maño Maño Mañ	
152 PG 153 PG 154 PG	LE ADS	α	Ω	Percent	52: Percent Overall Sectoral Savings	Metric	Proti provinnou à actificação ne santo (pre-evolutados) (pre, eterzito, na dialementa classife (pre-evolutados) (pre, eterzito) de diversa de la construição de la construição de la construición de las Proti space Annual Actificação ne santo (pre-evolutados) (pre, eterzito), anderesanda consecţiores and are (para percentage de descutados da consec Proti previonada de construição de las aspectandos de las Protis previonada de las formadas de las (pre-evolutados) (pre, eterzito), anderesanda consecţiores and are (para Proti previonada de las de las (pre-evolutados) (pre- percentage de descutados) de las de	Present first year annual KMb gross.	Commercial Sector (C)	2016	0.19%	36.531 13.673.635 100.000 X6 2000.0000	569554	0.153	к К	0 0.15%	0.16%	0.15%	0	0.21%	0129	11.772 94 200 800	9.122.175 -21.261.361.113	An expertence interpretence in	

	Table 17: Metri 2022-2023 Fore	cs Compliance cast is embed	e Filing sded in the N	fid Term Forecast. Final results	are provided in the Annual Rep	port.																				
Index PA	AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metr	tric/ Extinent Plan Att A Description	Metric	Sector	Raseline Year	Raseline Number	Raseline Num	Raseline Denom 20	17 Achievements	2018 Achievements	2019 Adhievements	Short Tenm Annual Targets	Short Term Annual Targets	Short Term Annual Targets (2020	Mid Term Annual Targets	Long Term Annual Target	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Kay Definitions
	A05	α		Percent			First year annual and lifesycle ex-ante (pre-evaluation) gps, electric, and demand samps (proc and net) as a percentage of overall actions usage		Commercial Sector (C)	2016										0					Kommuter = Nidelia G Deseninator = Tatal conversial usage from PGEI database	
155 Polis		a	2	Percent	Savings	Met	ESC gat, electric, and demand change (proc and ref) as a percentage of overall sectors) usage	Percent first year annual Them gross	Commercial Sector (C)	2026	0.38	4.145.597	1 902 845 444	56955	4 0.49		0.22%	0.27%	0.25%		0.37%	0.52%	4.477.626	864 280 604	Projected vectored usage deviced by analysing the formation annual provent sharps in energy variferen CEL value state (as prevented in the "Mult" scenario from the 2018 Patential and Grach State)	kow
156 PG&6	A05	α	\$2	Percent	S2: Percent Overall Sectora	Met	First year annual and tifequile ex-ante (pre-evaluation) etific gas, electric, and demand barries (proce and net) as a percentage of overall sectant usage	Percent first year annual Them net	Commercial Sector (C)	2016										0					Nomensian - Naleks G Denaminator - Total commercial usage from PGEI database	have
						_					0.17		1 113 BAC AM	66966	4 022		A 195	0.22%	0215		6315	0.23%	3 833 533	864 383 634	Projected unional unagenderized by analysing the formulated annual persent shanger in manyy use from CEI sales data (as presented in the "Moti" sumaria from the 2020 Potential and Bach Stack) formulation (Motion CE).	
157 PG&E	ADS	α	52	Percent	S2: Percent Overall Sectoral Savings	Met	First year annual and life-quite ex-ante (pre-evaluation) gos, electric, and demand samigi (prox and net) as a percentage of overall sectants usage	Present lifecade ex-ante kW gross	Commercial Sector (C)	2016										0					Romensier siteleis Cl Demoninaier s Total commercial usage from PGEI detabase Projenied unional usage derived by analysing the formazied annual personi	t-
											2.69	6 268.217	12672625	56955	4 227		2,28%	2.42%	2.25%	0	3,22%	160%	167 670	9.828.976	change in mangy war from CEEsains data (os presented in the "Mol" scenario from des 2028 Petential and facts Rodot Romensian - Richele CE Benemician - Talaí commercial ocage from PCEE database	
158 PG&E	ADS	a	52	Percent	S2: Percent Overall Sectors Savings	al Met	First year annual and theopole ex-ante (pre-evaluation) ptsc electric, and demand carings (proc and ren) as a percentage of overall sectand urage	Percent lifecycle ex-ante VW net	Commercial Sector (C)	2016															Deseninater s Total conversion usage from PC&E database Projected vectoral usage derived by analysing the formazied annual persent	lane
						_					2.02	277.525	13673625	56955	4 171	0	1.70%	1.815	1.68%	0	2.41%	1245	122.402	9,928,976	Integrit Hergy Control	
159 PG&E	A05	α	52	Percent	S2: Percent Overall Sectora Savings	Met Met	First year annual and life-quite ex-ante (pre-evaluation) gos, electric, and demand samigi (prox and net) as a percentage of overall sectants usage	Percent lifecycle ex-ante kWh grass	Commercial Sector (C)	2016															Projected sectoral snagederived by analysing the formazied annual persent sharge in energy scores (EE sales data (or presented in the "Mul" scorario from	low
160 PG85		α				_				2016	5.82	6 1.995 793.417		56965	4 507		4.62%	4.90%	4.71%	0	6.45%	2.25%	783 591 318	23261361113	the 2018 Patential and Dark Study Nonenator + Noble CI Deseminator + Total conversial usage from POEI database	
		α	2	Percent	Savings	" Met	First year annual and lifesycle ex-ante (pre-evaluation) got, electric, and demand stainings (proci and net) as a percentage of overall sectorial usage	Persent lifecycle av ante kWh net	Commercial Sector (C)	2016	447	1 514 448 618		56955	4 285	0.06311388	3 51%	2 72%	3 58%		4.89%	2.26%	641 729 774	22 261 261 112	Projected sectoral usage derived by analysing the formatied annual personi shange in mergy user from CES sales data (or, presented in the "Mail" scenario from the 2018 Prinninal and data's North	how
161 PG&E	A05	α		Percent	S2: Percent Overall Sectora		First year annual and tifelydie ee-ante (pre-evaluation) psic gik, electric, and demand bangs (proc and net) as a percentage of overall sedand usage	Percent lifecycle as ande Them gruns		2016										٥					Numerator - Hildein Ci Demoninator - Total commercial usage from PGBI database	
			_	PEGEL	Savings	Nev.	percentage of overall sectand usage		Commercial Sector (C)		4.42	48.791.469	1 203 845 444	56955	4 648		2.72%	2.12%	2.95%		4.315	5615	48.472.641	864 283 604	Projected sectoral surgerienties by analysing the formation annual present sharing in mengy surgerient CEE safes state (or presented in the "Mol" sumaria from the 2018 Potential and Daris North	
162 PG8.6	A05	α	52	Percent	S2: Percent Overall Sectora	Met Met	Past year annual and life-yele ex-ante (pre-evaluation) got, electric, and demand cannet (proc an ect) as a percentage of constit sectanal usage	Percent lifecycle as ante Them net	Commercial Sector (C)	2016										0					Romandar - Nilekis Ci Denaminator - Tatal conversidal usage from PGEI database Policies in unional conversional de conclusion des frances ind conversi	Aver
163 PG&C		0		MT CODieg	GHG		percentage of overall sectarial urage directionate galance (MF CCDard) Net KWS cavings, total machine an animal local			2016	2.14	24.617.563	1 903 845 444	56955	4 416		1.99%	2.28%	2.14%	66.877	3.125	2625	31 343 815	864 283 604	change in energy confrom CEC sales data (on presented in the "MAE" scenario from the 2008 Potential and Stath Study) Calculated using CEC and reserved to service combined with an improvement	includes CC2 (in web/a tern) but web/CC and PV22 as these are not CPC exclusionis.
164 PG&E	ADS	a	02	MT CODieq Percent	GHG D2: Depth of interventions b	by Met	thic isourced on an unamed horizon theory campo (grout kinh, therms) as a fraction of total project cancemption	CDD equivalent of net annual VWN cavings Percent lifecycle grasskW	Commercial Sector (C) Commercial Sector (C)	2016	69.49	4 M/A	n/a	626 00	4 13.06	40 810	63.683	CC 707	63.336	N/A	73 534	33.436	80.0A	N/4	ennerines in CEAN PRODUID service. Did nation/solutions. Histohemet 3 states: "Dengy serings (gress Mith, therea) as a hystian of teld project consumption. Dees not include press W.	för attalfe maandenantanisis (22 antissione endantion values, ender in nationis odl 385. Noor
164 PG&E 165 PG&E	A05	a	02		D2: Depth of interventions b	by Man	projekt samarepaan Effic Project samarepaan projekt samarepaan	Present Infrastle areas kith	Commercial Sector (C)	2016	N/A	N D	N DL	66900	A 1674.	NZA	N/8	M/A	N/A	0	N/A	auta.	163 634	N/4	Namenator dinengo saningo statimol for commencial projecto, consistent with CEGARS PRODUME classification	Project's defined as 'yes application'
166 PGRE		a					project concumption theory carries (procession, therms) as a fraction of total project concumption.			2016	20.40	6 1.995.793.417	6 573 147,090	56955	4 44.40	54%	30.40%	20.40%	31.00%	1	21.90%	23.92%	780.591.318	2 664 670 777	Rommanne impegna santogo datama fire convenzia al projento, comchanel artik. CEGRE/ROURAR et analitatem Semenicaries: Toneya que handitere en application, agrenta abitis projent santogo a substatem Semenaria impegna santogo datamati for convenzia al projento, conclusion al de Convenzione Longo que applicatione o applicatione, agrenta abitis projent contege- tariante en la substatementa de la projento, agrenta abitis projent contege- tor substatementa.	The second
				Percent					Commercial Sector (C)		128	49.791.469	28.172.471	56955	4 261	115%	128%	128%	120%		134%	225.925	48.472.641	20 548 795	Desentination: Design scage basefiles an application, against which project savings is satisfable	Proper (is defend as 'per application'
167 PG&G	A05	C6	PIL	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Duritionation	Met	tric Percent of partogration relative to eligible population for small, medium, and large-outcomerc	Precisent of participation relative to eligible population for large curclament	Commercial Sector (C)	2016	17.49		11 268	56955	4 1011		17.495	17.49%	19.36%		10.34%	6.20%	420	7 580	A scholated. Romanian Naceler of participating large nacionary (defined by octope medication of assumits of previou 60) Economics Telefonder of large nacioners in the salar (defined by onique continuities of assumits of previous 60) Romanian Naceler of estimations and the assistance (defined by onique	Participation is defined as the first instance of participation. Large scalarsers are defined as these using grader Pan- ar mpod in 100,000 MH as 200,000 theres annually.
168 PG&E	ADS	64	PIM	Percent	P1: Penetration of energy efficiency programs in the	Met	Percent of participation relative to eligible population for small, medium, and large customers	Present of participation relative to eligible population for	Commercial Sector (C)	2016										٥					Numerator Number of participating medium customers (defined by unique contribution of account and previor ID) Determinants Table Sanders of medium customers in the union (defined by unique	Perforgation is defined as the first induces of perforgation. Mail an evolution and defined as these who use
					Participation P1: Penetration of energy efficiency programs in the eligible market: Percent of						7.26	6 8.257	114.023	56955	4 429	0	7,24%	7.24%	7.60%	0	2.92%	0.98%	294	94.253	combination of account and proving (2)	Nethologistics is defined as the first induced participation. Small customers are defined as these who are line than 1970 Million and Mill
169 PG&E	A05	68	P15	Percent	efficiency programs in the eligible market: Percent of Participation	Met	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for small audianers	Commercial Sector (C)	2016	1.39	د د دده	479.282	56955	4 0.59		5.00%	5.00%	5.00%		5.00%	0.16%	679	426.582	Numeratur Number of participating small reachmens (defined by unique sambination of accession of provide 16) Envantation: Table member of small accessors in the unitar (defined by unique sambination of accession of uncertainty (defined by unique	an julio sector anguate meren annuary. Dargeta are vel at 15% in compliance with Q-18 05 061. The methodology for capturing participation is still to be eldeminist.
					All freedomics of some															0						ALLE dates not surversity utiliest opaces finitage data from participants. The numerator for this metric multiplies the number of assumerical states participants is the neurograph opace holdge of assumerical challings in ALLES, service invitance. This deviating databases the leads assumed opace holdges for ALLEs assumes from the first lead opace for the first ALLES and the service opace of the lead of the service opace of the service assumes the service of the participants.
170 PG&E	A05	C6	P2	Percent	efficiency programs in terms square feet of eligible populat	of Met	ttic Percent of cquare feet of eligible population.	Percent of square feet of eligible population	Commercial Sector (C)	2016															Nonendar report helage of participating service commercial socioners. Descributor report beinger of the commercial under	iner elsery. This was derived by dividing the india conversion's space basing on in NAEPs service areas from CAE by NAEPs have convert entimed for the two modes at the landings in the service areas (and present and present and numerator was then divided by the india square basings of commercial buildings in PGEPs service areas from CAUS
											2.81	55.245.434	1 969 884 000	56955	4 155		5.67%	5.67%	5.75%		Saes	0.29%	6.651.219	1710 548 317		Targets increase in accordance with participation targets.
																				5						
171 PG&G	A05	C8	PA	Percent	Pit: Penetration of energy efficiency programs in the W market	TR Men	Percent of participation by customers defined as "Rand-to-reads"	Percent of participation by customers defined as "Band to-masts"	Commercial Sector (C)	2016															Numerator: Number of communical ICE participants (unique account and premise (2)	
					market		"had to each"	"hard-to-mach"																	and Deventuring the Table number of HTE commencial contenses, justique account and premise (2)	
											2.60	6 630	258,934	56955	4 0.50		2.70%	2.80%	2.00%		3.50%	0.02%		214.512		
172 PG&E	A05	65	82	Percent	Square Footage of Commerci Renchmarking Penetration	Sal Meo	estic Percent of benchmarked square feet of eligible population	Percent of benchmarked square feet of eligible population	Commercial Sector (C)	2016	4.62	91,209,156	1 969 884 000	56955	4 91.08	103.11%	6.67%	8.00%	9.60%	0	11.65N	125.17%	2141.016.244	1710.548.317	Summater Table upper charings of herebracked commercial includings in Particular Manager using PEEE partial Description: Table space Particul communical sector	Des métris incluies lachdings lambémariani within the salembar year
																				0						
173 PG&E					Benchmarking Penetration 6	lor	Percent of benchmarked customers wildlive to eligible	Present of benchmarked automets relative to elablish	Commercial Sector (C)																Nonsolar Noniar of large somercial sociares that benchmoded as Paribilia Manage using PERI parial	large stationers are defined consistent with relative approval in PGEPs Basiness Plan. Specifically, large statement assessmentars 100,000 Mith or 210,000 therms per part.
174 Polks	AUS	6	Rot	Percent	Commercial Sector	Met	Itific Percent of beechmarked customers relative to eligible population for large customers	population for large customers	Commercial Sector (C)	2026															Konsentin Norder of Jappe sensors tild socionen tilst kenstnes-bal an Arthile Manager uning KGE partal Besonstater Tula norder of Lage conversial subservs (origon assumet and preside (D)	aarmarehan 100,000 Milo ar 200,000 hanns per per-
											151		11.08	300.5	4 20.00		5.085	6.10%	1405	0	1115	04274	1.698	7.580		
																									Summator Number of melium commercial contempts that item/marked on	Medium contents are defined consistent with criteria approach in POEPs Business Plans Specifically, medium contents we between 82020-010021495 or 182002-2020 dentes are see.
174 PG&E	ADS	65	85M	Percent	Benchmarking Penetration fo Commercial Sector	Met Met	tric Present of benchmarked customers relative to eligible population for medium sustainers	Percent of benchmarked automers relative to eligible population for medium customers	Commercial Sector (C)	2016															Notification in the second sec	exchanars our inducem 40,000 100,000 100h or 10,000 310,000 Herms per year. This metric includes sociamers invariant dati within the salendar psec.
											0.56	642	114.022	56955	4 4.22	(a	0.81%	0.97%	1.16%	0	1.41N	4.62%	4.217	91.253		
175 9684	A05	65	855	Percent	Benchmarking Penetration fo Commercial Sector	for Met	tric Percent of benchmarked customers relative to eligible population for small customers	Precent of Denchmarked audianess relative to eligible population for small customers	Commercial Sector (C)	2016															Remember Nomber of small assessed a solution that benchmarked an Partholis Manager using PEEI partial Determination: Total monitor of small communial coalesters (unique account and premise (2)	Data Salamber, and allocation and community of a periodic in the salar structure in the spectrum of the salar structure in the salar s
											0.10	6 491	479.282	56965	4 0.87		0.14%	0.17%	0.21%	0	025%	1.75%	7.478	426.582		
																									Summation number of communical FES contenters. One benchmented on Particular	
176 PG&6	ADS	65	86	Percent	Benchmarking of HTR Propert	sies Met	Percent of benchmarking by sustainers defined as "hard-ta-reads"	Percent of benchmarking by customers defined as "hand-to-wasts"	Commercial Sector (C)	2016															Manager using REEE partial Demonitration total number of commencial ICEI sociements (unique account and premise (D)	#Threadowners data na land en 128 (0). This makes and an analysis have been been for a site of an allocation and
																										,
											0.18	457	258.934	56955	4 1.02		0.25%	0.30%	0.37%		0.44N	1.295	2.760	214.512		
122 01-1	A05	66		PAC Levelped Cost (5/kW)	(mag		the law back of energy efficiency per KWN, therm and KWI (see both TRC and PAC)	THE LOOK AND LODGE	Commercial Sector (C)	2016		1								344					PAC coult per Valle or per derever ar per Vall is (PAC Coult & Emstein Rewellss/Tabal Benedis)/Universite Ant Valle or (PAC Coult & Gas Benedis)/Tabal Benedis)/Universite Anti Interne ar (PAC Coult & Emstein Benedis)/Tabal Benedis)/Universite AntiVal respectively	
		-	-	PAC Level2ed Call ()/KW)	cost per unit laved	Mes	KW (use both TRC and PAC)	Part (Manager Free (Mana)	commercal sector (c)																The adapted availed and methodology date not provide information in provide a manningful value for TRC or NIC Coxi per NW.	анны аны ант притик арыныт пать кото ат регистрация у диант реаризу от салык тексологи центлалык.
178 PG&E	A05	65	uc	PAC Level 2nd Cost (\$/kWh)	for an intervent		thic Leveland of energy efficiency per KWN, therm and KWI (see both TRC and PAC)	The Low Stat Front (18/08).	Commercial Sector (C)	2016	\$3813	5105 993 527	277.525	50055	4 \$255.7	191	Q#142	\$381.92	\$381.02	0	\$142.72	\$289.58	525 610 820 09	123.402	PAC court per VARh ar per thermar per VAR is (PAC Court a Electric Benefits/Tatal Benefits/Universite Net VARh ar (PAC Court a Cars Benefits/Tatal Benefits/Tatar Benefits/Tatar	
						_			more server (c)		61.1	\$1/15 663 577	* \$1.8.449.610		4 50.0		68.83	\$0.07	50.07		\$1.65	\$6.05	\$35 £10 830 AB	641 779 774	iharn ar (FAC Casi a Einstein Benefin, Takal Benefin), Vilwysie Kerillär respectively	new or a second
179 PG&G	A05	C6	ιc	PAC Levelized Cost (\$/therm)	Cost per unit saved	Met	the lawekaed cost of energy ethdency per KWN, therm and KW (use both TRC and PAC)	PAC Levelued Cost (S(them)	Commercial Sector (C)	2016		1								0					PAC could per VAIIs an per therman per VAII is (PAC Cent a Electric Benefits/Catal Benefits/Universite Red VAIIs on (PAC Cent a Ease Benefits/Catal Benefits/Catal Intern or (PAC Cent a Electric Benefits/Catal Benefits/Universite Retrikt respectively	involunt costs are reported by under considering the primery under groupings in GEAR PRODUID specification.
											50.4	516 294 214	34.617.563	56965	4 50.5	0	50.47	50.47	\$0.47	614	52.42	50.23	\$7,101.074.07	21 342 815	The courd gave black are per Warms or your WM in (The Courd on Mandrish Mandrish, Courds)	
180 PG&F	A05	66	чС	TRC Leveland Cost (\$/kW)	Cost per unit saved	Met	the seekaed cod of energy ethdency per kWh, therm and KW (use both THC and PAC)	TRE severated Card (\$/KW)	Commercial Sector (C)	2016		1													mana ag a strype we was an or (m, saw a Gas Benefits/Tatal Benefits) (Ultrayle Net there ar (TRC Casi a Einstein Benefits/Tatal Benefits) (Ultrayle Net 107 The adapted avoided and methodology days not avoide information)	land and costs are reported by under considerinarity primary under groupings in OEABS PROSBER specifications.
						+					5682.4	\$189.406.526	277.525	56955	4 5461.9	426.0880362	5682.49	5682.49	\$682.49	0	5634.24	\$949.91	117,220,371	123.402	meaninghal value for TBC or FAC Cevil per WA. TBC coul per blith or per iterm or per WA is (TBC Ceul o Enviros Benefito, Tatal	
181 PG&G		66	LC	TRC Levelard Cost (S/kith)	Cost per unit saved	-	thic Levelsedood of energy efficiency per WMs, therm and KM (use both TRC and PAC)		Commercial Sector (C)	2016	50 V	5160 ANE 576	* \$1.8.449.610		4 500	0.00766399	68.13	50.13	60.13		60.11	60.10	447 230 274	641 779 774	Benefits), Uderpie Kei Ville an (TRC Coults Gas Benefits/Datal Benefits), Uderpie Kei Benerian (TRC Coult a Davids Benefits/Datal Benefits), Uderpie Kei KM respectively	and and costs are reported by under combined of primary series groupings in OZAR PROSER specifications.
182 9585		C6		TRC Levelized Cost (S/therm)			the lawekaed cost of energy ethdency per KWN, therm and KW (use both TRC and PAC)		Commercial Sector (C)	2016		1								1					THE cand gate blith an part Werren an part We'ss (THE Cand a Bancins Banatins, Cada) Benefits, Schwynier Rad Villih an (THE Cand a Gas Benefits, Cada) Benefits, Schwarze Rad Villih and (THE Cand a Gas Benefits, Schwarze Rad Banem an (THE Cand a Elimite's Benefits, Talad Benefits, Schwarze Rad Mill respectively)	involunt costs are reported by under considering the primery under groupings in GEAR PRODUID specification.
183 PG&E	A06	<i>c</i> 7i	N1	Percent	NMSC	indica	ration of total projects utilizing Normalized Meterod	Percent of total projects utilizing Narmalized Metered	Commercial Sector (C)	N/A	50.8	\$29.117.161	34.617.563	55955	4 50.9	0.930863322	50.84	50.84	50.84	N/A - Indicator	\$2.75	\$0.75	22.274.652	21.342.815	Per CABEC meeting : "Practices of Intel systems projects will have WMC to estimate systems" exercises have CABER Content Measure well before to "	
184 PG&G	A06	C71	N2	Percent	NMEC	indica	Callor of Social property utilizing Normalized Meteroid theory: Consumption (NMRC) to estimate Givings Callor of Social Society (gross VMA and theory) devined toom NMRC applicate	Percent of total cavings (possibility and them) derived from MME analysis		N/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	56955	4 N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - indicator	N/A - Indicator	N/A - indicator	N/A - Indicator	N/A - indicator N/A - indicator	N/A - Indicator	N/A - Indicator	Per CABEC Meeting "Institute of Intel sectors saving: derived from WBC and with "Percent of the CABEC Meeting and the CABEC Sector Sect	
				-				-	-																	

Pa Name: PactRc Gas and Electric Company
 Nedget Year: 2022-2021
 Table 373: Metrics Complanor Films
 2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.

Pa Name:	Pacific Gas and Electric Company
Budget Year:	2022-2023

Budy Table	et Year: 2022 17: Metrics Co 2022 Forecast J	nc Gas and La 2-2023 ompliance File Lis embedded	ectric Company ng In the Mid Term Forecast. Final results a	re provided in the Annual Ban																			
kodes PA Az 185 PG&C	Page Atta	sh Order	iethad Goda Units of Measurement	Metric Type	Metric/	Business Plan Att A Description	Metric	Sector	Raseline	Baseline Number	Raseline Num	Baseline Denom 2017 Achievements	2018 Achievements	2019 Achievements	Short Term Annual Targets	Shart Term Annual Targets	Short Term Annual Targets (2020	Mid Term Annual Targets	Long Term Annual Target	2020 Achievements	2020 Numerator Denominator	Methodology Per CAREC Meeting MEEt will develop and field a serviciteri survey inclument	Rey Definitions
185 9584	A06	C6	Inits of Measurement CS Percent	Satkfaction	indicator	Business Plan Att A Description	Percent Improvement in outcomer catisfaction	Commercial Sector (C)	N/A N/A	Baseline Number	//A - Indicator	N/X - Indicator 5695	id N/A - indicator	N/A - Indicator	N/A - indicator	N/A - indicator	Terati N/A - indicator	N/A - Indicator	N/A-indicator	N/A - indicator	N/A - indicator N/A - indicator	Per CMECC Meeting MEE will develop and field a samahteri sarway insirverent annually	
		cs	TS Percent	Satisfaction	indicator	Improvement in trade ally catolicition	Percent Improvement in Itade ally Latisfaction	Commercial Sector (C)	8/4	4.20%	VA - Indicator	N/A - Indicator 5695	ia 1.59	4.0662727	41 N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	-28476	-125 - 439	Per CAREC Meeting MEE will develop and field a sonablerit survey instrument annually. Per CAREC meding: and ID :	Konevan - Carnel Nac Penninge - Banton Yao Penninga, Genaricator - Bantine Nac Penninge.
187 PG&E	A06	CB	F1 Percent	investment in SS	indicator	Paction of total investmentsmade by rategayers and private capital	Percent of total investments made by strepayers and private capital	Commercial Sector (C)	-	N/A-indicator 6	/A - Indicator	N/A - Indicator 5695	id N/A-Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - Indicator	12,323	N/A-indicator	N/A - indicator	N/A-Indicator N/A-Indicator	Per CAREC meeting and ID : Rummatum: Table instability amounts. Remaindular: Table analysis i raid	
188 9686	A06	м	51 First year annual XW grass	S1: Energy Savings	Metric	nst per sonst buildegin e ane (per-valuation) per teor, underson anec (proc se ere) sons edit teors pagene	nist year annual kit gross	Public Sector (P)	2016	11 201		N/A 500	510	0 7835 GAIL		10218	0.64		12 714	1 000 70	N74 N73	Realize data in separate annu sent a privary annue grans in 15588. No15588 comfiscator en el ogna stit autorizante an esta el 2338 Annual Ol de anguer grans in 833 ° 805.	ha
189 9686	406	P1	51 First year annual kW net	S1: Songy Savings	Metric	rest par annut antifestite es ara (pre-estatuto) pa, electri, and maint some (part and are some electrony pageme	Price gash annual RD nec	Public Sector (P)	2016									8,727				Sacher Mari, Sagerstaten Johne with privary some graups in (2008) Statistical Statistical Statisticae Statisticae Statisticae	na
190 P684	A06	P1	51 First year annual Web gross	S1: Energy Savings	Metric	Patt para annual ancidenção en artis (pre-enductore) par, electric, and de mand a sange (grace and ançianous andre tentos program	Post pas annual KRR grout.	Public Sector (P)	3016	62.037.732	4A	NA 505	a 50 50 51 51 57 57 57 57 57 57 57 57 57 57 57 57 57	55972946	47 45.997.418	5.982464	50.842471	62,725,378	6638526	24.502 607.07	NO. NO.	Sach wides - superstations bear with privary some graups = 0.0008. The second s	14
191 PG&C	406	P1	51 First year annual kith net	S1: Songy Savings	Metric	rest par annut antifestite es ara (pre-estatuto) pa, electri, and maint some (part and are some electrony pageme	Prod gash served RAD-over	Public Sector (P)	2016									46,126,514				Sacher Mari, Sagerstaten Johne with privary some graups in (2008) Statistical Statistical Statisticae Statisticae Statisticae	na
192 P584	AC6	п	51 First year sonual There gross	S1: Energy Savings	Metric	rest par annañ mell felgete eo arte (pre-restanten) (pe, restri, andre and same (prez pal art) anna. Reits Steler pagane	nit paranual theoryces	Public Sector (P)	2016	8 MC 70 8		904 - 2003	4 0.0410	00,40		2.000	4/001/00	- 71,855	10/10	/11/ Abda	NA NA	Nacional das is apenteransisten este parany milar grans in (2008). Maria Sagon anna an agén 2012 Parané and land hada, consisten est (2012 alegne gran in 2012 B 2013).	Na.
193 9585	A06	п	51 First year annual Therm net	S1: George Savinge	Metric	rist par annat antifester eo are (pre-rotation) (p., elser), ander take i same (pre a d'art) sons else take pagene	nit plant and the most	Public Sector (P)	2016									- 59,683				Nardina Jako Superinternakina akto princy unite grupo In (1908) Millio grupo antaria et de grupo attaria principa de la Unite Jacob (1906) de grupo de la Unite de la Unite de la Unite de la Unite (1906) de grupo de la Unite de la Unite de la Unite de la Unite (1906) de grupo de la Unite de la Unite de la Unite de la Unite (1906) de grupo de la Unite de la Unite de la Unite de la Unite de la Unite (1906) de la Unite de la Unite (1906) de la Unite	Na .
194 9585	A06	P1	51 Liflecycle eo ante Will gross	51: Songy Swinge	Metric	rest par annut antifestite es ara (pre-estatutes) pa, destri, and maint same (proc and arguments) also being pagents	taboyde eo ante kie gross	Public Sector (P)	2016	a 710 G2		NA 500			11 105 201	111017	102.482	123,656	44730	27 556 15	N/A N/A	Nacional das superintensisten este parter y more grappe in 19208. Maria Targan autori autoritati 2021 Partera en di este biolog, consistente di Diffo di esperimento da 1920 B.D.	na
195 P584	A06	P1	51 Lifecycle av ante kW net	S1: Energy Savings	Metric	rest para annual an al faight eo ante (pre-enstantion) (an, electric, and annual samp (apon and ord) annus antes boring pagemen	Ufrequire no water latt met	Public Sector (P)	2016	69.234		N/A 505	462		27 78.372	81275	77.091	98,570	110.765	22 583 50	N/A N/A	Radio data - segunda constante ada parter politica grana in 1528. Radio data - segunda constante ada politica da data - Sula, constante ad Rago Tagon auro ad angle ISI Partel e edita da Sula, constante ad O data gran da da da da Sula.	No.
196 P584	406	P1	51 Lifesycle en-ante kikh gross	S1: Energy Savings	Metric	rest para annual an di fongite en arte (pre-enstantion) (an, electric, and de mand samp lapons and ord annus antic bener program.	Ufrequir re ante tott gous.	Public Sector (P)	2016	594.051.354		9/A ccs	515.710 TO	677.23%	41 522.355.131	564.427.505	\$92.014.0cm	668,680,488	729.682.449	122.434.984.44	1475 N/FA	Radina data supersidencia can de porter porte grapo e 1020. Note funda supersidencia con de porter de la constante de Radina d Radina de Radina de Radin	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
197 P5&6	406	м	51 Lifleyde av ante kikh net	51: Energy Savings	Metric	ent per annut antifestit en ante (per contactas) ente per ante agence ante basis proposi	shiyat wate block	Public Sector (P)	2016	461 512 584 1	608	N/A (65	4 40 121 02		40,558,152	428.609.291	411,207,667	507,416,320	551 214 819	545 017 SIE 00	10/A 10/A	Sacher Jack - Segment anno ann dh' gunna sean gunna in 1933 Martin Sacher Jack - Sache	Ne.

	Table 17: Metri 2022-2023 Fore	ics Compliance ecast is embed	Filing ded in the Mid Term Forecast. Final results	are provided in the Annual Report.																			
Index PA	ATTA Page	AttA Order	Method Code Units of Measurement	Metric Type in	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Raseline Year Raseline Num	ber Baselice Num	Raseline	2017 Achievements	2018 Achievements	2019 Achievements Are	Short Term noual Targets	Short Term Annual Targets	Short Term Annual Targets (2020	Mid Term Annual Targets	Long Term Annual Target	2820 Achievements	2020 Numerator	2020 Methodology	Key Definitions
	ALL PAGE	ALL OVER	Code	in the second se	Indicator		and the second sec	anna	Tear Fairing Ages	Car Excerning Action	Denom	2017 2019 1011	211 201 201		abté Terreti	Odda Tarmet's	Turnet)	Targets 79074.50231	Target D034-20253	Achievements	2000 10010-200	Denominator merutadongy	Rey Democratic
198 PGEC	A06	Pt	53 Effecçüle av ante Therm gross	51: Energy Savings I	Metric	Test per annual substitution of the set (per and units) per, electric, and electric subgroups and end annual while testing programs.	Libergiër en anto Them guess	Public Sector (P)	2006	- CCD 10/18	N/A	500 500	115 546	28 36	.04 599	401457	439.125		433 500	8354.4007		Nacian data superstantiana data protes y talan paga to 1000. Militika perstantiana data persita yana data persita data per	her
199 PG&5	A06	Pi	51 Lifeyde evante Themner	S1: Energy Society 1	Metric	Trot personal antifestore even (per-outantes) per energy, and even i sang (peus ant rej acons. Energy and acons and acons and acons acon	ullegyla ac-anto them out	Public Sector (P)	2006									- 614,480				Raction Sola - Superindromotions with prover young property (SBB) Region States and a superindromotion state and a superindromotion state Region Superindromotion state (SBB) Region and States Region states and Viol descent parts in SLI 10. BDS.	ter -
200 PG&E	A06	P2	G MT CO2wg	GHG	Metric	Greenhouse gaues (MT CD3eq) based on net lifecyde kMh and Thems cavings, reported on an annual basis,	CCD equivalent of netannual kWh cavings	Public Sector (P)	2016				101.01		47.274	-	44.16	20,209	-		0.0	ALM Calculated using CEL and reported by series considered with primary series groupings in CEGAN PRODUM specification.	Includes CO2 but not NDE and FME2 as there are not DMEs. The details appending details CO2 minutum reduction radium, refer to materia co11.005
2014 06645	106			All from all second second		secorporating average fuel/bechnaringy mix	Percent annual net KW per propert building or facility		N/A MAL INFORMATION	0.726 N/A	N/A	569.554	\$160	22.630	15,962	17.053	16.705	N/A - Indicator	22.462	7.411.8	N/A	N/A Normatics - Total savings stational for MP windli projects	ter ander oppeningeneren uit metalene maanen oppeningeneren oor
202 9585	A06	P21	03b Percent annual NET kW 03b Percent annual NET kWh	D3: Depth of interventions per	indicator	ararest building or facility Average persent energy savings (KMR, kw, therms) per	Percent annual net KM per project building or facility Percent annual net KMh per project building or facility	Public Sector (P) Public Sector (P)	N/A N/A-Indicator	N/A - indicator	N/A - Indicator	569554	N/A - Indicator	N/A-indicator N/A N/A-indicator N/A	- indicator - P	N/A - indicator	N/A - indicator	N/A - indicator	N/A - Indicator	N/A - indicator	N/A - indicator	N/A Eventury - Taid saving schembler for study papets 922 Remotiver - Taid saving schembler for the study papets 923 Remotiver - Taid saving schembler for the study papets 924 Remotiver - Taid saving schembler for the study papets 925 Remotiver - Taid saving schembler for the study papets 927 Remotiver - Taid saving schembler for the study papets	
203 PG&E	A06	P2i	Dib Percent annual NET Thems	D3: Depth of interventions per building	indicator	Anonge process mongs soungs (soon, so, chemics) per project building of facility. Average percent energy causigs (sooth, ku, themic) per project building of facility. Average percent energy causigs (sooth, ku, themic) per project building of facility.	Percent annual not Therms per project building or facility	r Public Sector (P)	N/A Indicator	N/A - Indicator	N/A - Indicator	569554	N/A - Indicator	N/A - Indicator N/A	A - Indicator /	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator N/A - Indicator	N/A - Indicator	2) Demonstrater i lander af participating programm Bornonier i Tado saroja dukana bila Mirodoli porijonin 422) Demonstrater i Bander af participating programme Normatian: Tabal disensitivan saroja, Demonstrater i Tabal disensitivan saroja, Demonstrater i Tabal disensitivan saroja, participating a sensage upsare	
204 PG&E	A06	PB	03b Percent annual AST Thems 05 Annual NET kw	DS: Depth of interventions: Per square foot	indicator	Average annual energy caungs (MBh, kw, thermd per project building floor plan area	Average annual net ive cavings per proped building floar plan area	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	669554	M/A - Indicator	N/A - Indenter N/A	- infenter	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator		
205 PG&6	A06	P2i	05 Annual NET kWh	DS: Depth of interventions: Per square foot		Average annual energy causing (MRH, kw, thermd) per depresent building fluor plan area			N/A	the second	and a second		hills indicates	10 million 10 million			N/A indicator	N/A - Indicator		and indicates	N/A Indiana	Kommuter: Teld diseascharam savings Demonitation: Teld manifer of service accounts, participating, a average square 1674 - Indianaes	
206 968.6	A06	P26	05 Annual NET Therms	DS: Depth of interventions: Per	indicator	Average annual energy caungs (MMh, kw, thermd; per annual energy caungs (MMh, kw, thermd; per annual energy caungs).	Average annual net Therm Gavings per propert building floor stan area		N/A									N/A - Indicator				(4) A statistical interpreter and a statistical sta	
207 9586	A06		W1 Annual NET kw	When in	infrator	Average annual energy carings (MRh, VWthermi) per	Average annual hot VW cavings per annual flow through	Bublic Gertry (B)	N/A - INDERED	N/A - POIGHD	N/A - HOIOTOF	50000	NA- PECKO	NA - POCHER N/A	- indicinary of	N/A - Indicitor	N/A - INDCROP	N/A - Indicator	N/A - Indicator	N/A - INDCIROF	N/A - Policinor	N/A - VOICE/OF Industrial meaning from solar / was insular a solar any Numerator of a leader of services. From solar / was insular a solar any Numerator in the solar services and a solar insular i	
207 PG&E 208 PG&E	105	P2i	W1 Annual NET kWh	Water in	infranc	annual flow through project water/water/activeater facilities p Average annual energy caring (30th, 5W/thermi) per annual flow through project water/water/activeater facilities p	nerage annual fort kWh savings per annual flow through	h Bublic Sector (2)	N/A - Indicator	N/A - Indicator	N/A - indicator	569554	N/A - Indicator	N/A - Indicator N/A	A - Indicator - P	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - Indicator	N/A - indicator Numerator of almedicating from sadar/semisator customers Determinator Standing arrays young as reported on project applications	
209 PG&E		PB							N/A - Indicator	N/A - Indicator	N/A - Indicator	569554	N/A - Indicator	N/A - Indicator N/A	A - Indicator - P	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - indicator	N/A - Indicator	N/A - Indicator Non-indicator Nonentar claimed scring, from autor/waitmaker automas,	
and Polic				P1: Penetration of energy		Average annual energy carings (kith, Withermi) per annual flow through project water/wastewater facilities to	through project water/watewater facilities	- and second (r)	R12.1000000	N/A ; bolicator	N/A - Indicator	669664	N/X . bolicano	N /k - Indirator N/A	. infense	AVA . Indirator	M/A - Indicator	0	N74 - Indonesis	N/A - Indirator	N/A . Indiana	Deseminator Baseline energy usage as reported on project applications	
210 PG&6	A07	м	P1 Percent	P1: Penetration of energy efficiency programs in the eligible market: Pencent of Durtrivisation	Metric	Anong a more than the region of the second s	Percent of Public Sector accounts participating in programs	Public Sector (P)	2016	12% ~~	76.4**	corr.	5.7 au	g.04022354F	A 64V	0.947	0.000		2.000			Automation Number of public series origin associat endpoint's stills, that participation on 20 program. 60 520	Performation is defined as the first instance of performation. Public sector exclorers are defined by NACC rades.
211 PG&6	A07	PA	P2 Percent	P2: Penetration of energy		Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building	Percent of estimated floorplan area i.e., figliof vire.as.		N/A		reals		2549			u.anih	0.265	N/A - Indicator	0.800	1.51	10	60.3203 Rumanian require histoge of participating unique associated provide Ex. Describution (Spare National of All States) and a provide and associate Ex. Error acrosp annulate of National para associat	
211 9585	A07	Pá	P2 Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	indicator	projects—eclimate within +/-23% of sector-wide building 5 area, +/-3% of project building area	tector buildings participating in building projects	Public Sector (P)	N/A Indicator	N/A - Indicator	N/A - Indicator	569554	N/A - Indicator	N/A - Indicator N/A	- indicator	N/A - Indicator	N/A - Indicator		N/A - Indicator	N/A - Indicator	N/A - Indicator	Enveningen für beiten sonnte eine sonnte einte eine sonnte eine sonnte eine sonnte eine so	
212 9584	A07	PE	W2 Percent	Water in	indicator	bound marine Million Sphoet out The I applied to	Percent of Public Sector water/watewater Tow enabled in non-building water/watewater programs	Public Sector (P)	N/A	N/A - Indicator	N/A - Indicator	500554	N/A - indicator	N.0 indicator N/A	A-Indicator (N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - indicator	do opported by an information interface that interface that is a second state of the s	
213 PG&E	A07	к	LC PAC Levelzed Cost (5/kW)	Cost per unit saved	Metric	Sevelandood of energy efficiency per WMs, therm and press (WSs and PAC)	PRC Level 2ed Cott (5,6/4)	Public Sector (P)	2016									815				FAC costs per VAR or per thermost per VAR is (FAC Cost is Elevisive Results/Total Results)/VARvpole Net VAR or FAC Cost is data Results/Total Results/VARvpole Net therm or (FAC Cost a Elevisive Results/Total Results/VARvpole NetWAR requested)	landiantonia arrogental legundar considentiarile primary unior geograps in CEGIS PRODUID specifications.
						ter (of sec incase of			car	6.05 562 834 877	69.229	569554	5045.44	653 1244725	Sanc no	5905.05	5906.05		\$730.45	5541.0	517 652 744 78	The adopted avoided road methodology does not provide information to provide a meaningful value for TRC or FAC Cost per VAC.	
214 PG&G			LC PAC Level zed Cost (5/kWh)	Cost per unit saved		Sevelar-bood of energy efficiency per WMs, therm and per WMs (use both TRC and PAC)		Public Sector (P)	2016				and As			incuro.	1101.03	0	1781	1012	10,411,44.7	42.464 File senting on Valle or per thermar per Valle in (File Cest is Enroltin Enroltin), University for Valle Enrolting/University for Valle or (File Cest is Gas). Enrolting/University. University of the Internet or (File Cest a Elizatria Enrolting University), University (File Valle).	
213 2081	201	~	er. PAC Developed Cost (N/KMe)	Cold per unit laved	Metho	KW (use both TRC and PAC)	an nanana can (dana)	Public sector (P)		60.14 562.824.972	451.512.594	569554	\$0.13	0.078073293	50.14	\$0.14	50.14		90.13	50.1	\$17,652,764,78	145.012.616	аналанынын энтерретик ауынан аналаанынан ретикууланын резунарта салана төлсөшка цинтлалаан.
215 PG&E	A07	15	LC PAC Leveland Cost (\$/therm)	Cost per unit saved	Metric	Levelaed cost of energy ethoreou per KMN, therm and KMI (we both TRC and PAC)	PIIC Leveland Cod (()(therm)	Public Sector (P)	2016									. 0				PACcenti per Valls or per thermory per Vall is (PAC Cent + Electric Rendis)/United Rendis)/Uniteprint field Valls or (PAC Cent + Electric)/Ended Rendis)/Uniteprint for therm or (PAC Cent + Electric Rendis)/Uniteprint Rendis)/Uniteprint Rendis)	Enolizationsis are reported by under consistentiatify primary under groupings in CEDIN PROBABLy unifications.
216 9585	A07	К	LC TRC Levelized Cost [5/KW]			Leveland cost of energy efficiency per VMP, therm and the VMP (the both TRC and PAC)	TK: Leveloed Cod (§/VM)	Public Sector (P)	2016	6 262 122	125.588	609554	50.25		50.76	150.262	150.26	1,062	80.76	505	\$3,520,292,81	6 499 500 RC and pto 100 to gate Network of Section 2010 C and a Section Section (Net Internet Section 2010 C and a Section 2010 C and a Section Section (Section (Section (Section (Section (Section 2010))))) The adapted or a section 2010 C and a Section 2010	landiael ann an rapartad by antar cancilanti aith printry sanlar graupings in DEAR PROSEER specification.
217 PG&E	AQ7	к	LC TRC Leveland Cost (S/kith)	Cost per unit saved	Metric	Level 2-elocit of energy elficiency per WM5, therm and WW1 (see Soft TRC and PAC)	TRC severand Card (\$/cR/t)	Public Sector (P)	2016	IN 36 CO1 044 063	00000	CERCER	C1 4/0 12		C1 180 34	C1 100 3C	C4 480 30	0	C+ 643 34	61 024 7	633 712 001 70	33 G20 meetinghi value for IKCar Mc Cavipe W. IKCard ger Miller or yet Nermer yet Wir is (IKC Gal x Bedde Stade) Beeding) Universite kikito or (IKC Card a Gas Beeding) Universite Kel Beeding) Universite kikito or (IKC Card a Gas Beeding) Universite Kel Kir anyantivel Storm or (IKC Card a Classica Beeding) Universite Kel Kir anyantivel Storm or (IKC Card a Classica Beeding) Universite Kel Kir anyantivel Storm or (IKC Card a Classica Beeding) Universite Kel Kir anyantivel Storm or (IKC Card a Classica Beeding) Universite Kel Kir anyantivel Storm or (IKC Card a Classica Beeding) Universite Kel Kir anyantivel Storm of the Storm of the	landianlisels are reported lepanter samblerisels primary serier grouping in OEME PROBABI specifications.
218 PG&E		к	LC TRC Leveland Cost (Sytherm)			Leveland cool of energy ethorecy per KWN, therm and KWI (see both TRC and PAC)	TK: Geveloed Cord (\$/them)	Public Sector (P)	2016	581.844.862	451.512.594	559554	\$0.17	0	50.18	50.18	50.18	· 0	50.s1	50.2	522.716.981.78	145.022.615 TKC cost per NNA or per New may per NN in (TKC Cost a likewise iteratio, "Istal Investin, "University for fast Vicin or (TKC Cost a Gas Investin, "Istal Investin, "Istal	inol antionis antropolal hyvoine constantiatis privary uniter groupings in GEBE PROSEED quellications.
							New course bodied features details had to water		19	0.221 (541.849)	125.588	569554	50.27	-3	(50.22)	150.331	150.33	N/A - indicator	(50.32	50.9	56 722 428 01	6 879 160	
219 PG&E	A07	PG	F2 5	investment in 55 in	indicator	Total program-backed financing distributed to Public 5 Sector customers requiring repayment (i.e., loans, CBP) 5	teal program eacher maning repayment	Public Sector (P)	N/A 56.410.20	12.00 N/A - Indicator	N/A - Indicator	\$569,554.00	N/A - Indicator	17.170.856 N/A	- indicator - A	N/A - Indicator	N/A - indicator		N/A - Indicator	\$21 790 212 6	NO	Tolal around brough Påprogram N/A	"Inial program hashed francing requiring oppopulation" stated have answer
220 PG&E	A07	97	82 Percent		Metric	Percent of Public Sector buildings with current benchmark. P	Percent of Public Sector buildings with current benchman	a Public Sector (P)	2016	(63%) A73	76.410	CODEC	± 77%		0.00%	1.07%	1 200		4 600			Researcher Nachter of public strike kultulings kendenarised an Parthelin Marager anler (PARAgeneti Benenistative tokal menter of public strike origanizzania) endopretisel Da 404 4034	Dis metris includes hardelings kenn kenarland within the salendar year
221 PS&6	A07	92	EH Btu	Energy intensity per public sector building Public Sector Square Foot Benchmarking Penetration in Calendar Year	Metric	Average energy use intensity of all Public Sector buildings	Average energy use interactly of all Public Sector Surface	as Public Sector (P)	2016 CAT 103		76.410	669.004	222.052.666	105 331 431	CAT 317 687	C47 307 697	G47 307 693	\$36,361,725	C+0-047.400 +0	697 304 65		Rementant Table senter level energy see from NEE detahase (gos + desirie) 60 (401)	
222 PG&G	A07	P21	B4 Percent	Public Sector Square Foot Benchmarking Penetration in Im	indicator	Percent of floorgian area of all Public Sector buildings with surrent benchmark	Percent of flaarplan area of all Public Sector buildings	Public Sector (P)	2016									N/A - Indicator				Romentier: Teld upper Plating of politic locality, keep bracked within calmdar year, in Parifalia Manage	De's wer'rs includes burblings kennebenariael within the salenske ynar
				Calendar Year		with surrent benchmark First year annualized and lifecycle eviante			N/A - Indicator 2016	N/A - Indicator	N/A - indicator	569554	N/A - Indicator	N/A - Indicator N/A	A - Indicator	N/A - Indicator	N/A - Indicator	14,422	N/A - Indicator	N/A - Indicator	N/A - Indicator		
223 PG&E				S1: Energy Savings	Metric	(pre-evaluation) gas, electric, and demand cavings (gross. P and net) in industrial sector.	Finit year annual ktV grass	Industrial (I)	1	546 N/A	N/A	569.554	3.506	1.955	15,760	16.113	16.284		11.04	2.90	NA	Processing operations and any processing systems of our set of the	how
224 PG&E	ADB	int	51 KW	S1: Energy Savings	Metric	Prot year annualized and lifetycle reveale (serv-exaluation) gas, electric, and demand caving-typess. It and net() in industrial social: Prot year annualized and lifetycle reveale (serv-exaluation) gas, electric, and demand caving-typess. It and net() in industrial social:	FinZ year annual KM net	Industrial (I)	2016	1000 1000								11,071				MA - Midinator Eucline adus to separate analysis et als primary antire groups to CEOR PODDAR separate adus adus position hardwarenin separate 2021 de hourd Esperante adus adus adus adus adus adus adus adus	how
225 PG&5	ADS	ini	S1 kWb	S1: Energy Savings	Metric	Pirit year annualized and lifecycle ov ante (pre-exalization) gas, electric, and domand savings (gross. P and ret) in industrial sector	Pintz year annual KMI gean.	Industrial (I)	2016				100					89,224,286	10.	14		N/A. PRC-intensity much in the 10.0000 Baradian data is required case) size if with primary series groups in CIGME PRODUCE upper Interaction and align with arbitrarements reported in 2014 Annual Expert Sergits server on using the 2014 Pointerial and East's East's consistent with DVL distribution with in 21.7 4015.	have
	AGR	int				and ret) in industrial sector First year annualized and lifecycle eviante			49.200	GRE N/A	N/A	569.554	28.970.444	22.553.980	112.151.759	110.069.014	107.052.877	67,209,198	66.704.025	28,145,54	N/A	N/A open surgers were so using or a cut reason and an usah. Budy, surability with CPUC antennet such to \$17.00 COL Bardine data is superind carefuly with primary anting groups in CR088 Bardine data surefly spirited are sold with an independent of	
226 PG&6	AUS			S1: Energy Savings	Metric	Pixit year annualized and lifecycle evante (pre-evaluation) gas, electric, and demand cavings (gross P and ref) in industrial sector	Pint year annual RMI-net	Industrial (I)	27.054	1.241 N/A	N/A	569.554	22.940.384	18.362 190	81 640 261	79.450.954	77 541 577	146.000	55 191 766	32.835.52	NG	Archael Manager Barris N. K. J. 1990A. Barrafore Adult Systems and Systems and Dynamy and arguings in CEABIE PRODUCE spatial systems and any state and the primary sensitive groups. In CEABIE PRODUCE Systems and any state and the primary and any state and the primary stategies and the pr	low
227 PG&6	AGR	int	51 Them	S1: Energy Savings	Metric	First year annualized and lifecycle evelante (pre-evaluation) gas, electric, and demand savings (gross P and red) in industrial sector	First year annual Thermgons	Industrial (I)	2016	175 N/A	N/A			8319.00	45647	4 690 47 0	491-000	, and did	636/ 34	3400.00	N/A	N/A CPUC attention pairs (s. 117-10-00). Benefitive data is regularized annular with primary satiser groups in CEGME PRODUCED (gase/floation and aligns with arbitrarymetic separated in 2014 Janual Report. Samples server out using the 2014 Primitial and Sach Shally, considered with CPUC attention and in 2014 2014.	1-m
228 PG&G	ADB	int	Si Therm	S1: Energy Savings	Metric	First year annualized and lifecycle eviante (are-evaluation) gas, electric, and demand cavings (gross.	First year annual Therminet	industrial (I)	2016									6,708,125				NTA POP animal units in 1116000 Bardin da in type india cambinisti with primary antire groups in CEGRE PODERAT que l'Autom and ages with antinements separated in 2008 Annual Reputs Strategies and ages with antinements and data. Study, consistent with VEA VEA	kon
229 PG&6	A08		\$1 kW	S1: Energy Savings		and rect) in inductival sector First year annualized and lifecycle eviante (pre-evaluation) gat, electric, and demand savings (gross. 1		Industrial (I)	2.127	1.7H N/A	N/A	569.554	2 260 101	5.425.296	4,217,825	4.469.805	4.647.312	102,729	7201714	4.859.16	N/A	Report. Steppin servers in adaptive 2021 Potential and Sach Educ, searchardwir sich Pich adaptive adaptive in 817-09 000; Resolution adaptive in 817-09 000; PickDERE spectrations must align and autonements spectration 2026 Revolution Report Resolution and aligns and adaptive advectorements spectration 2026 Revolution Reports Resolution advectore in adaptive advectorements spectration Revolution advectorements advectorements advectorements spectration Revolution advectorements advectorements advectorements spectration Revolution advectorements advectorements advectorements advectorements advectorements Revolution advectorements advectorements advectorements advectorements advectorements Revolution advectorements advectorements advectorements advectorements Revolution advectorements advectorements advectorements advectorements Revolution advectorements advectorements advectorements advectorements Revolution advectorements advectorements advectorements Revolution advectorements advectorements advectorements Revolution advectorements advectorements Revolution advectorements advectorements Revolution advectorements	
229 9686						and ref[in indudital sector			25	129 N/A	N/A	569.554	46.127	25 549	112 223	114.790	116.006		78.68	20.70	NG	N/A Protocol and the second se	law
230 PG&G	AGR	int	51 KW	S1: Energy Savings	Metric	First year annualized and lifecycle ev onte (pre-evaluation) gas, vinctric, and demand cavings (gross. Is and ret) in inductrial sector	Lifecyde eo ante ktr net	Industrial (I)	2016	710 8/4	N/A				41.17	63.36*		76,555			N/A	PEODERAR specification on aligns with contrary streng reasons (CEURE PEODERAR specification on aligns with contraronmic specific aligns and Report. Tergets were not using the 2018 Petential and Gash Study, non-claim i with NUCA.	have
221 9565	ADB	int	S1 kWh	S1: Energy Savings	Metric	(per-estation) par, electro, and demand carving (gress 1 and ext) in industrial centur (per-estation) par, electro and demand carving (gress 1 and ext) in industrial estati (per-estation) par, electro, and demand carving (gress 1 and ext) in industrial estati (per-estation) par, electro, and demand carving (gress 1	Lifecycle eo ante ktifugioss.	Industrial (I)	2016			344.554	16.811	25.999	+14/4	84.00	84.193	794,669,219	57.905	22.01		Industry of the second se	have
232 9684						and net) in inductival cectar Pixtl year annual aed and lifecycle eviante			429.128	LEZE N/A	N/A	569.554	259.764.555	218.201.027	1.007.410.869	979.964.629	953.111.406	610,750,503	503.878.11	277.976.46	NG	deputs. To gets some set using the 2018 Primetial and Gash Study, sometalent with DVG advanted analy in 2012 08 405. Beneficien data is supported combined with primary under groups in CEGME	
232 PS&6	ADB	int	S1 kWb	S1: Energy Savings	Metric	(pre-evaluation) gas, electric, and demand savings (greas. Is and rect) in industrial cectar	Lifecyde eo ante KMI-net	Industrial (I)	2016	1.109 N/A	N/A	569.554	201.762.052	163.099.411	774.450.000	752 250 624	792 707 141		456.545.55	221.636.24	NG	PRODULE specification and align with advisorments reported in 2014 Jonael Report Targets service using the 2018 Pointial and Dark Body, considering the NGA OPUC without and in 2017 08-001.	how
233 PG&G	A08	int	S1 There	S1: Energy Savings	Metric	an min in manches have provide and theorytie we ante (see-watacteoic gas, vieture, and demand saving: (gress and eet) in industrial sector. Yest year annualized and theorytie we ante (see-watacteoic gas, vieture, and demand saving: (gress. gas end) is the sector of the sector of the gas end of its in ideal sector.	Lifecyde eo ante Thom guiss	Industrial (I)	2016									110,850,361				Bandland data in separated samshinin with primary senter groups in COURT PRODUCTAR specification and aligns with anthronometric reported in 2024 Januar Report. Surgels senses using the 2023 Preleminal and Gaols Study, sensitively with	have
234 PG&E	ADB	int	S1 Them	S1: Energy Savings	Matria	energy of translated and lifecycle evante	Life-Lyde ex-ante Theom net	Industrial (I)	42.10	LOC N/A	N/A	569.554	27.274.929	66 254 250	62,859,441	64.958.972	68.066.515	77,624,245	128.408.080	24,556,08	N/A		
225 0.56.5					Metric	(pre-execution) par, electric, and demand carring (proc. 1) and rect) in industrial sectors determinance prove (MC CCDec) Net KWN carrings, imported on an annual back	The second	industrial (I)	2016	1.609 N/A	N/A	569.554	29.255.687	43.322.786	64.023.720	45.424.095	47,670,503	21130	89,930,820	22.213.03	NG	Reactive data in separate anno Juni atti jupinary partor gruppi in CEMM. 1902/DEMM specification and aligns with advancements superior in 2014 Annual Reput. Supplement at using the 2012 Annual and Sach Shatt, sumachastri atti DEM-advanter analysis 10:210 4000. Educated and angle Can ad separate bit yo service samchani with polinary surface	Includes CO3 but techtiQI and MIE3 as there are not DH2 reprindents.
236 PG84	A08	112		P1: Experimine of energy					1/	149 N/A	N/A	569.554	2.593	8.540	27.815	36,800	25.916	0	25.564	10.72	N/A	N/A manings in DDMS PRODUCT see that from Researcher Norder of periopeing large neurones, (defined by unique combination of economics of periops OD Descriptions * Table number of large columers in the units (defined by unique	fer delato superiordente 22 minutam relation adore nels tenderio adi Mit-
236 PG&E	A08	inā	P1L Percent	eligible market: Percent of Participation	Metric	Percent of participation minipue to eligible population for small, medium and large customers	lage cutomers	f Industrial (I)	2016	86N 170	2.478	509554	5.728	0.030683403	2.55N	7.55%	7.55%		7.079	132		2.622 contribution of account and premise (2)	comparison compared as structure meaners are perceptions. Large statements are defined as these asing preside that or reput its 300,000 WH or 210,000 Horms annually.
227 PG&E	ADB	113	P1M Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for P small, medium and large customers	Percent of participation relative to eligible population fo medium culturers	" Industrial (I)	2016									0		1		Remember Namker of participating medium sustainers (defined by unique samkination of assumitant province (D) Description: Taidi summer of medium sustainers in the units (defined by unique	Perforgation is defined as the first insignment participation. Medium sustainers are defined as these who are insigned 0.000-000.0000000 in 10.000.00000 thema areas?iv
+++				Participation 01: Expetition of energy					2	57% 299	11.628	569554	2.629	0.003616687	2,82%	2.97%	2.83%	0	2.659	0.08	12	44 200 Kommuter Variation of periods (0) Kommuter Variation of periods (0) Kommuter Variation of periods (0)	
228 PG&E	A08	inž	P15 Percent			Percent of participation minitive to eligible population for small, medium and large customers.	Percent of participation relative to eligible population fo onali automets	f Industrial (I)	2016	61% 200	49.281	569554	0.66%	0.000263726	0.67%	0.67%	0.67%	N/A - indicator	6637	0.01		Demonisation Total number of small successors in the senter (defined by unique 777.225	renergenen n annede a tier hui indener ef gerbigetion. Soull realemen architekt et thour ake arc ins than 81,000 Mith er 18,000 them annelly
239 PG&6	ADB	inti	PSL Percent	New participation In	indicator	Percent of outcomers participating that have not-received in an increase for the partitive years, annually, by small, if medium and large outcomer categories	Percent of large customent participating in reporting year that have not received an incentive for the part three years	f Industrial (I)	N/A	-	and a sector	,	N/R Indiana			and instance	with industry	w/A - Indicator	N/A Indiana	and and and	and indicate	Remension downait monitor of large industrial participants (by service assumed) that have not reacted an incention for the part 3 years Descentrators Teld number of unique large industrial assumpt and previou EX in 3 AV3. Interview.	large cohorters are defined as these using proter than or equal to \$10,000 MH or 200,000 theres aroundly.
340 0000	ADB	inti	PSM Percent			Percent of customers participating that have not received	Percent of medium cuctomers participating in reporting		N/A Indicator	N/A - Edicitor	wA-receipt	509554	ava - Hillinger	N/A		ava - 1600.007	ava - hacitor	N/A - Indicator	ava - Indicator	ana - Macator	anA - Indicator	8.000 Alternativ Remeater Jenual number of mellum industrial participants (by service econom) that have not reacted as investige for the easi 3 years	
20J PGEC	AU8	mli	PSM Percent	New participation in	indicator	Percent of cuctomers participating that have not received in an indexture for the positive years, annually, by coall, is medium and large cuctomer categories	year that have nativeceived an incentive far the pact five years	e industrial (I)	N/A - indicator	N/A - indicator	N/A - Indicator	569554	N/A - Indicator	N/A - Indicator N/A	- indicator	N/A - indicator	N/A - indicator	1	N/A - Indicator	N/A - indicator	N/A - indicator	Desembative Tatal number of unique medium industrial account and premise Ex. 54 200	Medium susiemers are defined as thear who use between 40,000 100,000/kWh or 10,000 210,000 therm annually.

Pa Name: Pacific Gas and Electric Company Budget Year: 2022-2023 Table 17: Metrics Compliance Filing

	022-2023 Fore	ast is embedde	d in the Mid	d Term Forecast. Final results an	re provided in the Annual Repo	it.																		
Index PA	ADA Fare	AttA Order	Method	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Raseline	laseline Number	Easeline Num	Baseline 2017 Achievements	2018 Achievements	2019 Achievements Annual Target	Shart Term ts Annual Target	n Short Term Annual gets Targets (2020 arti Targets	Mid Term Annual Targets	Long Term Annual Target D014-30343	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions
	A08		855			macanar				NA					Child Turnet	Adda Turnel	ari Turari	N/A - Indicator	0614.36161	Alermina		CHINE CON		
241 PG&E	A08	indi	PSS	Percent	New participation	indicator	an indextive for the pact three years, annually, by onall, medium and large customer categories	d Percent of small outcomers participating in reporting year that have not econed as incentive for the part three years	Industrial (I)	N/A	(A - Indicator	N/A - Indicator	WA - Indicator 56955-	N/A - Indicator	N/A - indicator N/A - indicator	N/A - Indicator	tor N/A - Indicator		N/A - Indicator	N/A - Indicator	N/A - Indicator	77.23	Kommuter-Jennael number of small industrial participants (by service assume) that have not serviced an insention for the part 3 pers Desentration: Total number of uniquerswall industrial assumt and previoe IDs in \$2 the senter.	Indi salanes ar definel as that she as has ban 80,000 KHz a 10,000 them arrially
																		282					PAC cost per VAB or per thermory per VAB to (PAC Cost a Electric Benefits/Tatal Benefits/Unequie Rot VAB or (PAC Cost o Gas Benefits/Tatal Benefits/Unequie Rot therm or (PAC Cost a Electric Benefits/Tatal Benefits/Unequie Rot(VA researched)	
242 PG&E	ADB	in5	LC	\$/km	Cost per unit saved	Metric	Leveland cold of energy ethdency per WMs, therm and KW (use both TRC and PAC)	PAC Leveland Cost (S/AW)	Industrial (I)	2016													therm or (PAC Cost a Electric Benefits, Total Benefits), Unknych Kestilli respectively. The adopted available and methodology data not provide information to provide a maningful value for TRC or PAC Cost per We.	and and only are reported by under considerinality primary under groupings in QEAR PROBABIl specifications.
											\$296.84	\$15,943,141	53,710 56955-	20.0	341.3310373 \$296	5296.8	5295.84		\$281.99	\$732.77	\$16,133,787,64	22.05		
243 9585	AGR	in5	LC	S/kwh	Cost per unit saved	Mattic	Levelandcost of energy efficiency per WM, therm and WF (use both TRC and PAC)	Bir Lewisson (Marth)	Industrial (I)	2016								0					PAC coult per Valle ar per charmen per Vall in (PAC coult a Electrica Benefits/Total Benefits), Unequin the Valle on (PAC coult o Gan Benefits), Total Benefits), Unequin Ket form or (PAC coult a Electrica Benefits), Total Benefits), Unequin Retrict or percisely	
				Alexe:	COL PH CILL CHE	MEVIL.	KW (use both TRC and PAC)	Pac development of (Second	indecords (i)		50.05	\$15,943,141	217.604.109 56955	50.0	0.035576376 50	50.0	0.05 50.05		50.05	\$0.07	\$16 133 787 64	221 636 24		andraam aan ay ay an
264 PG8E	AGR	115	LC	S/therm	Cost per unit saved	Metric	Leveland cost of energy efficiency per KMN, therm and KM (use both TNC and PAC)	FIRE Level and Cost (Siftherm)	industrial (I)	2016								0					F42: seei per VMA av per ihnern av per VM is (F42: Casi a Enviris Benedis/Tatal Benedis/Univyole Net VMA av (F42: Casi a Gas Benedis/Tatal Benedis/Tataytic Net Barn av (F42: Casi a Electric Benedis/Tatal Benedis/Univyole NetiXII respectively	and advants or reserved by white considering the interview equation in QDMR PROBABLISE Endown
							KW (use both TRC and PAC)				\$0.37	\$10,797,104	29.338.609 56955	50.2	0.432201825 50	50.3	0.37 50.37		90.35	\$0.15	\$2,204,510,72	22 212 03	them as (REC Cast a Electric Benefits, "Intel Benefits, "Unarycle Retrict respectively.	
																		449					THC used per klith av per ihrem av per klit is (THC Cash a literatio ihrendits/Taka) Brendits/Urbrysle Rot klith av (THC Cash a Gas Brendits/Taka/Brendits/Erbrysle Rot	
245 PG&6	A08	in5	LC	\$/km	Cost per unit saved	Metric	Leveland cost of energy efficiency per KMN, therm and KM (use both TKC and PAC)	TRC severand Card (\$/kW)	Industrial (I)	2016													there ar (TK Cost a Electric Resetts/Indu Resetts/United Resetts Electric Res KW The adapted avoided and methodology days not provide information in provide a	Institution and reported by under considerinality primary series groupings in CEURE PRODUID specifications.
			-							-	\$472.94	\$25,401,923	53,710 56955	\$279.5	451.7720227 5472	5472.5	2.94 \$472.94	0	\$449.30	\$1.025.55	\$22 590 024 64	22.05	generingful subse for TBC or AUC Davi per WV.	
246 PG&E	ADB	in5	LC	\$/kwh	Cost per unit saved	Metric	Leveland cold of energy ethdency per WMs, therm and KW (use both TRC and PAC)	TRC sevelued Card (\$/kWh)	Industrial (I)	2016													THC and per kNA ar per Harm or per Wil is (TRC Cost a Benefic, Total Renefic), Ulexysle Sol Will ar (TRC Cost a Gas Renefic, Total Renefic), Ulexysle Net from ar (TRC Cost a Electric Renefic, Total Renefic), Ulexysle Net kNI respectively.	Institutionis an reported by under considerinality primary serier groupings in GEME PROBABI specifications.
			-								50.08	\$25,401,923	317.604.109 56955-	50.01	0.047097554 50	50.0	0.08 50.08	1	50.08	\$0.10	\$22 590 024 64	221 636 24	1 The send are blith as any Borrow as are 100 in CDC and a Borrisis Benefits Total	
247 PG&G	ADB	in5	LC	S/therm	Cost per unit saved	Metric	Leveland cost of energy efficiency per KWh, therm and KW (use both TWC and PAC)	TRC severaed Card (S/them)	Industrial (I)	2016													TAC could ger klift av ger Harm av ger HW is (TAC Coult a Electrics Benefits, Tokal Benefits), Unsyster hat HW is or (TAC Coult a Cass Benefits, Tokal Benefits), Electrics (Electrics) form av (TAC Coult a Electrics Benefits, Tokal Benefits), Electrics (Marcon av (TAC Coult a Electrics)).	institutionis are reported by order consistent with primery serier groupings in Q2486 PRO5888 specifications.
											\$0.59	\$17,202,834	29.338.609 56955-	50.5	0.572178576 50	92.02	92.02	0	\$0.56	\$0.21	54.624.926.27	22 21 2 0 3	Sammatar - Nilein IV 1 Desentator - Total vesteral unage from NGLI database	
248 PG&E	ADB	in6	\$2	Percent first year annual kW gross	52: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBE)	Percent first year annual KW gross	Industrial (I)	2016													Projected unagerormatics steady through 2025 is associator with projections from CIC sales data presented in the 2028 Potential and Soals Stady "Mid" sale.	Defined as savings as a percentegral solaral usage, kased on conversations, between Ala and ID.
						_					0.15%	10.546	6.916.777 56955	0.071	0.000369469 0.2	0.22	22% 0.24%	0	0.16N	0.06%	2.909	6 310 25	CIC cales data precedently the 2018 Pelewical and Death Deathy Mild" case.	
249 PG&E	ADB	ing.	52 Pi	wcent first year annual kW net	52: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBA)	Percent first year annual KW net	industrial (I)	2016								_					1 Normaniae sikileise N1 Demonissaire s Total senional anage Irom POEE database	Befored as surings as a percentagent socianal usage, kased on conversations, between Ala and ID.
					savage						0.115	2.653	6.916.777 56955	0.067	0 0.1	0.17	17% 0.17%		0.14%	0.05%	2.241	6 310 25	Projected unaprovenies steady through 2025 in associator with projections from CEC sales data presentation the 2028 Potential and Deals Study "Mid" case. 5	
250 9584	AGR	116		Incoset first way appendix with	Q: Rement Guardi Carterol	Metric	Reduction in consumption (proposed by SCI and SDSBI)		Industrial (I)	2016								0					Kommuter - Niletrin IX 1 Desenitation - Total versional unage from NGEI database	
250 Polas	ALIX	116	ы.	Percent first year annual kWh. gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBE)	Percent first year annual KMN gross	industrial (I)	2026	0.000	40.300.000		0.100							20.157.744	12,975,185,88	Projected unagerormains simely through 2025 in associators with projections from CEC scales data presented in the 2028 Potential and Socie Study "Mid" same	Enforced as survings as a personing rol series al usage, based on conversations, between Ala and ID.
											0.000	64.760.144	L'ALIANA HILD	0.10			1105	0		0.15	in an an	17174 14144	a Barmandar - Mildrin IN 1 Beneminator - Total ventoral anage from NSBI database	
251 9684	ADB	in6	8	Percent first year annual kith net	52: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCI and SDGBI)	Percent first year annual KMN net	Industrial (I)	2016													Projected unagereenaires simuly through 2025 in assumiance with projections from CEC sales data presented in the 2028 Pelevital and Daals Study "Mid" case.	Enfined as savings as a percentage of sector al usage, based on conversations, between Ala and ID.
			-							-	0.39%	37.054.341	9.748.274.828 56955	0.259	0 0.0	0.82	82% 0.80%	0	0.57%	0.25%	32,835,520	12 976 186 88	0 Romentar - Nelvis III Deseminator - Total under al usage from NEE database	
252 PG&E	ADB	in6	52 P	fercent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual Them grass	industrial (I)	2016													Demonituriare a Total sensional snage from PGEE database Projected snageromation steady through 2023 in associators with projections from CEC sales data provement in the 2028 Potential and Death Study "Mild" case.	Befored as savings as a percentage of serieral usage, based on surveysations between Na and ID.
					- and						0.07%	2 028 129	A 144 959 990 CC955.	0.069					6779	0.126	7 997 677	4 665 414 47		
253 PG&E	ADB	trafi		ercent first year annual Therm	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBE)		Industrial (I)	2016								0					Kommuter - Nidelin N 1 Desenitation - Total verteral usage from PSEE database	
- 13 7-062		~	-	145	Savings	whethe	groups and toold				0.05%	2.127.764	4.544.958.996 00000	0.075		10% 0.11	115 0.115		0.104	0.10%	4,859 144	4.665.414.47	Projected unagerormatics usually through 2025 in association with projections from CEC takes date presented in the 2028 Patential and Soats Skely "Mid" case.	
254 9684																		0					2 Namenalar - Nilelein IV. 1 Demoninator - Tolal ventoral unage from PGEE database	
254 PG&E	A08	tné	22	Percent lifecycle ex-ante kW gross	S2: Percent Overall Sectoral Savings	Metric	Reduction inconsumption (proposed by SCE and SDSBE)	Persent lifecycle ex-ante kW gross	Industrial (I)	2016													Projected suggestmates steady through 2025 is associate or with projections from CIC safes data presented in the 2028 Polential and Data's Safe' Ville' case.	Defined as savings as a percentegeral sectoral usage, based on conversations, between Ala and ID.
			-								1.09%	75 139	6916 777 66966	0.641	A 16	1.66	60% 1 60%	0	1.545	0.496	30.304	6 310 35	6 Romension - Niletrin IN 1 Descenisator - Tatiof sectoral usage from NEE database	
255 PG84	ADB	in6	S2 PI	vercent lifecycle ex-ante kW net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBE)	Percent lifecycle ex-ante kW net	Industrial (I)	2016													Projected unaground in steady through 2025 in anondence with projections from CEC sales data presented in the 2028 Potential and Stats Staty "Mild" case.	Defined as savings as a percentegral solaral usage, kased on conversations, between Ala and ID.
						_					0.78%	\$3,750	6.916.777 55955	0.701	0 13	1.20	20% 1.22%		0.825	0.25%	22.018	6 310 25		
256 PG&E	AGR	ing.	82	Percent lifecycle ex-ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by ICI and IDSBE)	Percent lifecycle ex-ante kWh gross	Industrial (I)	2016								5					Komendar - Shirin B.1 Deseninator - Total vesteral usage from NEEI database	Defined as serious as a percentage of societal scars based in conversations between Ala and ID.
				Buper	Savings						4.40%	416 128 628	o 3eo 73e 030 CCOCC.	3 764	. 483	10.05	ncu: 0.79%		6.00%	2.64%	277 934 ACC	110301000	Projected unageventates visually through 2025 in associatour with projections from CEC safes data presentation the 2028 Potential and Deats Deaty "Mild" case. 0	
257 PG&5										2016								0					Romanatar - Mileiria IN 1 Emerinatar - Total venteral unage Ivan NEEE databara	
257 PG&E	A08	106	Ω Pe	ercent lifecycle ex-ante kWh net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Percent lifecycle ex-ante kWh net	Industrial (I)	2016													Projested unageromains visady through 2025 in annundator with projections from CEC value data personitation the 2028 Intential and Deals Dealy 'Mild' case.	Befreeles savings as a persentagent sectoral usage, based on surversations between Ala and ID.
											2,26%	217.604.109	9.348.274.928 56965	2.189	0 2.9	HN 7.72	72% 7.52%	0	4.68%	1.71%	221.6% 241	12 976 186 88	0 Nomenatur - Nilelein IN 1 Demonitatur - Total venteral unage from NSEE database	
258 9686	A08	iné	52 P	Percent lifecycle ex-ante Therm gross	52: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDSBE)	Percent lifecycle ex-ante Them gross	Industrial (I)	2016													Projekted unagevenuelen visually through 2025 in annumlance with projections from CEC safes data personitation the 2028 Potential and Data's Data's Visit 's sam.	Defined as savings as a percentage of serioral usage, based on summations between Na and ID.
						-					1.02%	42.101.250	4 144 958 996 56955	0.77	0.014025648 1.5	1.56	56% 1.64%	0	3,20%	0.74%	24 556 085	4 665 414 42	2 Normalier - Nileiris III 1 Deseminator - Total under Inang Iran NLEI database	
259 PG&6	AGR	trafi	52 P	Percent Mecycle ex-ante Therm net	S2: Percent Overall Sectoral Savings	Metric	Reduction in consumption (proposed by SCE and SDG&E)	Parcent lifecule or ante Them not	Industrial (I)	2016													Instantial communities should be an AMM in a second second best from how	Befored as savings as a percentage of serieral usage, based on surveysations between Na and ID.
				185	week.						0.71%	29.338.609	4 544 958 996 56955	0.601	0.009171187 1.0	xex 1.10	10% 1.15%		2.17%	0.48%	22 212 021	4 665 414 42	CIC value data prevanted in the 2008 Polential and Deals Undy Wild" vane.	
260 PG86	A09	AL	\$1	kW	S1: Energy Savings	Metric	First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand-savingcon	PinZ year annual KM grass	Agricultural (A)	2016								12,280					Baractione data in reported comovient with primary senter groups in CEDAR. PRODUBE specification and aligns with antinexements reported in 2014 domaid Report. Targets were set using the 2018 Potential and Dark Study, consistent with	how .
261 9585							Post year and Mergele exacts (pre-volution) annualized gas, electric, and demand caving cin Agricultural sector, goos and net Post year and Mergele exacts (pre-volution) monatored gas, electric, and demand caving cin Agricultural sector, give and net Mergele constraints (pre-				23.551	N/A	WA 569.55	12.30	10526.08154 10.3	11.37	373 12.090	10,221	12 556	7.494	N/A	N/A	Expert. Targets were on an optical 2012 Factorial and Sands Toury, an excision ratio PDC and strandomation in 151 T28 (3). PDC and an optical and the 151 T28 (3). PDC Sands and and the 151 T28 (3). PDC Sands and the 151 T28 (4). PDC Sands and target and	
261 9684	A09	A5	51	ĸw	S1: Energy Savings	Metric	annualized gar, electric, and demand-cavingcon Agricultural sector, gross and net	PinZ year annual kW net	Agricultural (A)	2016	17 181	N/A	u/a 000 000	e ner	£550.4833 8.1	736 0.47	47.4 0.000		48.766	A 62.4	NZA	N/A	Proceeding operations are a sign with anti-periodic operation of our attempts Report Targets surrent using the 2012 Pointial and Daals Dody, consistent with PDP Contempt and to 211/08/2010	keer
262 9585	A09	AL	\$1	kWh	51: Energy Savings	Metric	Perty year and Idecycle examp (pre-evaluation) annualized gas, electric, and demand caregoin Agricultural sector, proceand net	PinZ year annual KMI gross.	Agricultural (A)	2016								73,886,455					Banadisee dada is separated comolelani with primary senter groups in CRAME PRODUBLY questification and aligns with ashinaments reported in 2016 Annual Report, Tarophy surror of using the 2018 Primitial and Dash, Sholg, consistent with CPAC admitted paths in \$217.07.075.	kow
							Agricultural sector, grass and net Past year and lifecycle ex ante (pre-evaluation)			2016	76.157.393	N/A	WA 569.55	27.324.72	292/61055.43 64.751.4	71.595.60	602 75.954.461	\$7,946,794	67,250,780	19 218 489	N/A	N/A		
263 PG84		AS	51	kWh	S1: Energy Savings	Metric	First year and lifecycle as ante (pre-evaluation) annualized gat, electric, and demand cavingcin Agricultural sector, proceand net	Pint year annual kt/binet	Agricultural (A)	2016	\$4.916.559	N/A	N/A 509.55	25-206-111	18712794 51.037.8	55.750.85	59.743.662		56.179.829	12,611,015	N/A	NG	Reselteredate is reported concluterial with primary sector groups in OEDBS PRODUCER specification and aligns with arbitrarments reported in 2018 Annual Report Targets secret using the 2018 Primitial and Dath Study, concluteria with OPKC estimated match in 5217 (2019).	keer
264 PG&E	A09	AS	\$1	Them	S1: Energy Savings	Metric		Pin2 year annual Therm piccs	Agricultural (A)	2016								436,144					CPUC astronate analysis (\$17.00.000) Reactions data in separative learning with a primary sensing program in CREARS PRODUCED quantifications and aligns with anticentronic separated in 2016 derivad Report. Respire summary and produced to 2016 Protocilial and Earth Study, consistent with CPUC relationships in 10.7021 (\$10.001)	kaw
			-				Agricultural sector, proceand net First year and lifecycle exactle (pre-evaluation)			-	1 113 176	n/a	600 CG	106. C.C.	120585 6492 365 1	4.04 344 34	200 220 100	481,756	C30.6C0	4.436.335	N/A	N/A	PEP automation and its 5.510,000 Reading data is reported combined with primary antise groups in OEMS	
265 9584	A09	AS	51	Them	S1: Energy Savings	Metric		First year annual thermost	Agricultural (A)	2016	871.717	N/A	N/A 509.55	246.68	85943.19012 417.2	410.24	246 411.919		584.018	925.309	N/A	NG	PMF information much is in 12 20-2020. Random data in requested constrained with primary under groups in CEGBE PRODERLY questionations and aligns with antinenessis. separate in 2024 Journal Report. Surgity, sures via using the 2024 Primaril at and Gatch Study, numchanic with CPC-2 attention and via 02.174–005.	laser -
266 9585	A09	AL	\$1	kW	S1: Energy Savings	Metric		Lifecycle ex-ante KW grass	Agricultural (A)	2016								92,949					Columbra Research and Columbra and Arrivation and Arrivatio and Arrivation and Arrivation and	kow
							Agricultural sector, groccandinet				178.262	N/A	N/A 560.55	8166	1100712954 783	96.05	085 91.509	67,808	45.039	102.661	N/A	N/A	toper, surgers, mention doing the accel Proteins a deal states taking contractions and CPUC advantation and is in 5.17 (2010). Reading data is reported combulant with primary series groups in CEDIMS	
267 9585	A09	A1	51	kW	S1: Energy Savings	Metric	Agricultural sector, grass and net	Lifecyde eo ante kill net	Agricultural (A)	2016	120 344	N/A	WA 609.00	6430	65093.97126 57 9	152 62.00	801 64.758		69.333	0.04	NG	NG	CPUC advanced week to \$217.09.005. Reactions data in sequenting same known with a primary sension or program in CREARS, PRODUKER queet finations and aligns with anticentronic sequence in 2016 Annual Report, Sampin, summaries of significant product and Catch Stanly, consistent with CPUC advanced and in 10.2017 (2010).	1
268 9686	A09	A1	\$1	kwh	S1: Energy Savings	Metric		Lifedyde ev ante kithgross	Agricultural (A)	2016								676,320,475		1/1/4			1. Proc. Statistics Barry View Concernments of the primary statistic groups in CIEGHS Read-to-cide to separative same unit and aligns with achievements reported in 2016 Janual Report. Samples surveys and adaptive 2018 Primetial and Each Study, semiclatest with CPUC adaptive prior to 2019 2015.	have -
			_				Agricultural sector, gross and net				699.948.565	N/A	WA 569.55	251.386.97	303953673.5 560.712.0	655 260 83	926 695 260 269	486,419,720	620.166.676	257,222,953	N/A	N/A	torpers, surgets semerant using the 2018 Potential and Daris Study, concludent with OPUC admitted marks in 2017 09-005. Reselling data is, reported concluters with primary senter groups in CEDER	
269 PG&E 270 PG&E	A09	AL	51	kwh	51: Energy Savings			Lifecycle ex-antie kitchinet	Agricultural (A)	2016	481 735 6**	N/A	NA	174 300 770	199957363.0	471 326 1	269 500.024 ***		445.035.***	123 120 101	NG	NG	Reselventiate is reported combrident with primary poster groups in CEARS PROSERE questionation and aligns with antimermonis reported in 2014 Annual Report Sargets supress of using the 2014 Primital and Stath Study, consistent with OVE antimeter and in Stat 2014 2014.	1
270 PGF4	A09	AL	51	Them	S1: Energy Savings	plante	First year and lifecycle exante (pre-evaluation) annualized ass. electric, and discussion of	Lifecyde eo arte Them guss.	Agricultural (A)	2016				13.00.70			access11/	3,971,802	tays the	ear.ed0.061			Reading data in reported consistent with primary antisy groups in CEGHI PRODURE specification and aligns with achievements reported in 2014 Januar	Saw.
			-			.eeuii	Agricultural sector, proclandinet				10.127.212	N/A	WA 569.55	4.557.49	1725349.641 3.279.3	3 109 81	819 2.098.841	3,110,270	5,196,771	21.432.895	N/A	N/A	Report: Targets amorant using the 2018 Polential and Dack Study, concludent with CPUC advanted marks in 2017 (8:00). Random data is reserved concluted with advance and an ensure in 70% AM	
271 9686	A09	AL	51	Therm	51: Energy Savings	Metric	The second secon	Lifecycle ex-ante Them net	Agricultural (A)	2016	7007	N/A			1063153.458 2.568.0	2.424.47	479	#, and,270		12.887.348	N/A	NG	Colo, automate and color sector factors with primary sensor groups in CEGARS Resolution data is required a simulation with primary sensor groups in CEGARS PROCEARING quantifications and aligns with automations reported in 2018 Annual Report, Targets and water set and color for 2018 Primaria and Sociely Touch, corrections with CPAC antennel much in 2013 OR 0005.	law
272 9686	A09	A2	6	MT CODieg	GHG	Metric	Greenhouse gaues (MT CD3eq) Net WM savings, reported on an annual back	CCD equivalent of net annual kWh cavings	Agricultural (A)	2016	24,977	N/A	WA 569.55	2,799.22	1063152.458 2.568.0 8651 23.2	2424.43		26,355	4 0548 529	14307.348	NA	NG	calculate any CC and openie approver calculate any other	Includes CCC2 (in metric term) but wai NCK and PA12 as these events(CPU equivalents. For intellix separation terms is CC2 emissions reduction values, refer to retrief and AC
273 PG&E	A09	A3 :	Partical	Percent	GHG P1: Penetration of energy efficiency programs in the eligible market: Percent of	plante	Percent of participation relative to eligible population fo small, medium and large customers		Agricultural (A)	2016								0					Rementant Namber of participating large systemes (defined by unique combination of account of premise ID) Descentions - Total member of large systemes in the union bibliostillar unions	Factorization is defined as the limit instance of participation. Large subserves are defined as these using grader then
		-	1		eligible market: Percent of Participation	- musi	criat, medium and large customers	tage customers			7.90%	282	3.581 56955-	5.401	0.017465753 7.9	7.90	90% 7.90%		7.90%	0.895	24	2.62	Description Total number of large materies in the uniter (defined by anique a medination of account and previous 10)	tr mparin 100,000 Whee 200,000 therms annually.
274 PG&E	A09	AB -	Particpa	Percent	P1: Penetistion of energy efficiency programs in the eligible market: Percent of	Metric	Percent of participation relative to eligible population for small, medium and large customers	 Percent of participation relative to eligible population for medium cuclamers. 	Agricultural (A)	2016								°					Rumenator Number of participating medium contenens (defined by unique combination of account and premium (2) Deseminator: Total number of medium customers in the unique (defined by unique	Participation is defined as the first instance of participation. Medium codemons are defined as these who use instance 00,000-000,000000 or 10,000 310,000 desma annually.
					Participation P1: Penetration of energy						2.00%	930	31.959 56955-	160	0 30	2.00	2.00%	0	3.00%	0.54%	177	32.84	a contribution of account and premiue (D)	
275 PG84	A09	A2	Particpa	Percent	Participation P1: Prostation of energy efficiency programs in the eligible market: Percent of Austriaution	Metric	Percent of participation relative to eligible population for small, medium and large customers	ar Percent of participation relative to eligible population for small automets	Agricultural (A)	2016			44.300		00073484								Nonenziar Nonker of participating small occloners (defined by unique contribution of accountional previou (2) Desembation: Tabli monitor of small accounters in the unitor (defined by unique a contribution of accountion of accession (2)	Perforgation is defined as the livel instance of participation. Small subserves are defined as those who are live than 40,000 M/H are 10,000 downs, annually.
			+		Participation.						0.72%	581	AL 00 50055	0.629	0.001/24961 0.7	0.72	0.72%	166	©22%	0.08%	21	222.29	NC cost per Vills or per there are per Vill's (PIC Cast a Eastern Benefits/Data)	
276 PG84	A09	A4	LC	\$/km	Cost per unit saved	Metric	Leveland cod of energy efficiency per WMs, therm and KW (use both TRC and PAC)	PRC Leveland Cost (5/4W)	Agricultural (A)	2016													there ar (PAC Cash a Electric Benefits/Total Benefits)/Uneptit Ret/UK respectively	level and reals are reported by sector consistent with primary sector groupings in OEARS PROBABIlity of fixed one.
							the part and the desired (4700.700								60 X		The adopted avoided and methodology does not provide information to provide a meaningful value for TRC or FAC Cavityer WV.	
277 PG&6						1		1		+	\$175.04	\$21,029,789	120.201 56955	\$191.0	155.3150948 5175	.pe \$175.0	5175.06	0	\$166.29	\$163.43	59 292 079.41	57.474.2	PAC continer With an perithermory per With is (PAC Cast is Electric Revefite/Total	
277 PG&6	A09	м	LC	S/kwh	Cost per unit saved	Metric	Level and cost of energy efficiency per WMI, therm and KW (use both TRC and PAC)	PRC Leveland Cost (S/AWA)	Agricultural (A)	2016													Resellin) Universite Ket Ville or (NEC Cost or Gas Resellin), Takai Resellin), Universite Ket Horm or (NEC Cost or Excession Resellin), Takai Resellin), Universite Ket Vill respectively	involution is an expected by write consistent with primery series groupings in OEDIR PRODUID quellication.
	- 1	- 1	-			1					50.04	\$21,029,789	611 / 41.607 55955	50.0	0.050915316 50	50.0	50.04	0	\$2.04	\$0.06	\$9 393 079 41	167.140.061.0	e PAC coul per With or per therm or per Will is (PAC Coul a Electric Benefits/Doted	
278 PG&6	A09	A4	чС	S/therm	Cost per unit saved	Metric	Leveland cod of energy ethdency per KWh, therm and KW (size both TRC and PAC)	PRC Leveland Cod (S/Rhem)	Agricultural (A)	2016													Revellin), Universite Kati Ville an (PAC Cost is Gan Revellin), Talasi Revellin), Universite Kati Harman (PAC Cost is Electrics Revellin, Talasi Revellin), Universite Kati Vill respectively -	involution is an expected by write consistent with primery series groupings in OEDIR PRODUID quellication.
						1	1	1		+	50.33	\$2,281,443	/013.911 55955	50.0	0.599944758 50	50.3	50.33	322	\$0.31	50.14	\$1,922,892,72	12.897.248.0	d THC coul per blith or per iberre or per WV is (THC Coul a Benefits/Total	
279 PG84	A09	A4	LC	\$/km	Cost per unit saved	Metric	Leveland cod of energy efficiency per KMh, therm and KW (see both TRC and PAC)	THE sevenced Case (\$/kW)	Agricultural (A)	2016													Resells), Uderpale Ket With or (TRC Cost & Gas. Resells, Total Resells, Uderpale Ket there or (TRC Cost & Directo Resells, Total Resells, Uderpale Ket KM	institutions are reported by some considering to prove you for grouping in ODAR PROBABLY and Southern.
											5229.20	\$40,771.778	120.201 56955-	See S	222,26472 5226	120 5229.3	9.20 5329.20		\$322.24	\$277.39	\$15.942.894.87	57.474.2	The adopted avoided and methodology daws not provide information to provide a meaningful value for TRC ar TRC Cavit per NRC.	<u> </u>
280 9684	A09	м	LC	Shan	Cost per unit saved		Levelandood of energy efficiency per WM, them and KW (see both TRC and PAC)	TRC Level and Card (1/km/r)	Agricultural (A)	2016								0					ThC could get high an get literen as get Will is (ThC Could all Invited Resettle), Total Resettle), Unique total Will as (ThC Could a Gas Resettle), Total Resettle), Editory in Net there ar (ThC Could Electrics Resettle), Total Resettle), Editory in Net Not respectively.	and adjusts are reacted by a by a state and being with a spectrum in order to extra a sector "
-au rada				area0	same year sint saved	whether	KW (see both TRC and PAC)		- de-region in fail		50.09	\$40,771,778	491.725.607 56955-	50.1	0.109027414 50	50.0	0.09 50.09		50.08	\$0.10	\$15.942.894.87	167 540 061 0	2	report of the second
281 PG&E	A09	м	LC	\$/therm	Cost per unit saved	Mestr	Levelandood of energy efficiency per WM, them and KW (see both TRC and PAC)	TRC severand Card (SPDmm)	Agricultural (A)	2016		I T						1			1 7		THC cord per MNh or per Horm or per MV is (THC Cost a Electric Electric, Total Breeding University & Not With or (THC Cost a Case Breeding Total Breeding University) Electric Breeding (The Cost a Case and The Cost and	and adjusts an empirical invasion analysis with primes weight measures in CEOP Measurements of
											86	\$4,421,075	7.013.911 55955-	\$1.9	1287236363	50.6	063 SOE		50.60	\$0.24	\$3,265,412,20	13.887.348.0		
282 PG&6	A10	CS1	51	Net GMh	51: Energy Savings	Metric	Net Briege Savings GBPH	Net OWN cavings	Codes & Standards (CS)	2016	دمني ۽	N/A	NA		(222		257	1,327		5.000	NG	NG	miler cardy	2019 2021 consulent with adopted goals from D.11409-025, Tables 1, 2, and 3, p. 37-39, 2018 from CEDANS (splitwer not included). Values sammed across all four 2016. "Saming" is defined as Net Nettypear Gamma.
· · · · · ·														145		. 10				1.000				

Pa Name: PacFic Gas and Electric Company Budget Yaar: 2022-2023 Table 17: Metrics Compliance Talling 2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.

| | | | | |
 | r | | 1 |

 | | | | | | |
 | | | |
 | | | |
 | |
|---|---|---|--|---
---|---|--|---
--
--	--	---	--	---
--	--	--		
--	--	--	--	
283 PGEE A10	e AttA Ord	ler Method Code	Units of Measurement	Metric Type
 | Business Plan Att A Description | Metric | Sector | Raseline
Year

 | Raseline Number | Raselne Num | Baseline
Deepen | 2017 Achievements | 2018 Achievements | 2019 Achievements | Short Term
Annual Targets
(2010) Terrari
 | Shart Term
Annual Targets
(3449 Target) | Short Term Annual
Targets (2020
Target) | Mid Term Annual
Targets
19631-36731 | Long Term Annual
Target
(2034-3035)
 | 2020
Achievements | 2020 Numerator | 2020
Denominator | Methodology
 | Key Definitions |
| 283 PG&G A10 | CS1 | \$1 | Net MMTherms | S1: Energy Savings | Metric
 | | Net Mittheons savings | Codes & Standards (CS) | 2016

 | | | | | | |
 | | | 56 |
 | | | | millior courty
 | and Demonstrate
2018 2021 consistent with adapted goals from 0.1709 C03, Tables 1, 2, and 3, p. 15° 19, 2018 from CEDAR
Spillower not included, Values canned across at four 1020. "Sampe" is defined across the Print year
reasons |
| 284 PG&6 A10 | | | Net MW | S1: Energy Savings |
 | Net Inergy Savings MW | Net Mill Gauge | Codes & Standards (CS) | 2016

 | 29 | N/A | N/A | 569554 | 45 | ¢: | 42
 | 42 | 49 | 289 | 55
 | 24 | N/A | N/A | mikvowy
 | channel
2018-2021 concentrations with adopted goals from D.17-09-025, Tables 1, 2, and 3, p. 37-38, 2018 from CEDAR |
| | | | Count | |
 | Net Inerge Lange Mil | Net Mill Garage
Number of measures supported by CASE studies in | Codec & Standards (CS) | 2016

 | 272 | N/A | N/A | 559554 | 222 | 28 | 222
 | 275 | 211 | | 415
 | 454 | N/A | N/A | INEV Gudy
 | (getrover not included). Values sammed across at how 100s. "Savings" is defined as Net Noti year
Conner |
| 285 PG&E A10
286 PG&E A10 | 62 | 1 | Count | Advecacy-Building
Advecacy-Building | Metric
Metric
 | rutemaking cucle (current work)
Number of measure; adopted by CBC in sutemaking cycle | | Codes & Standards (CS) Codes & Standards (CS) | 2016

 | 12 | N/A | N/A | 569554 | 6 | | N/A
 | N/A | 12 | 12 | 12
 | 0 | N/A | N/6 | Missoures supported by CN32
 | Raseline and Targets for messares supported are far Eyear cycle other than annual. |
| 287 PG&6 A10 | CS3 | 1 | Count | Advocacy-Appliance | Metric
 | | Findhcator of cost work)
Number of T-20 measures supported by CNSE studies in | Codes & Standards (CS) | 2017

 | 12 | N/A | N/A | 559554 | \$7 | | 2 N/A
 | N/A | 12 | 10 | 12
 | 0 | N/A | N/A | 1-32 measures supported by CAM
 | Raterier and lages for mediates appointed are for Eyele spor short balances.
Raterier is annual. Targets for mediates supported are for Eyele spor safer than annual. 2017 choses |
| 287 PG&E A10
288 PG&E A10 | csa | | Count | Advocacy-Appliance | Metric
 | Number of measures adopted by CBC in surrent year | Number of measures adopted by CBC in current year | Codes & Standards (CS) | 2016

 | | N/A | N/A | 500054 | | | 2 N/A
 | N/A | 10 | 10 |
 | | N/A | N/A | Measures adapted by CEC
 | is baseline icon 200 wai iers.
Baseline iconnal. Targetcformeasurecadopted are for typar cycle rather than annual. |
| 289 PG&G A10 | | 1 | Count | Advocacy-Federal | Metric
 | Number of federal clandards adopted for which a utility | Number of federal standards adapted for which a utility | Codes & Standards (CS) | 2016

 | | | | | | |
 | | | 20 |
 | | | | Mandards adopted
 | Raselines and Lagets are annual. Any federal standards based upon 781e 20 that were adopted will still |
| 290 PGBE A10 | | | Count | Advocacy-Federal | Metric
 | | Number of federal standards adopted for which a utility
advocated (DDS: folio: advocated activity)
Percent of federal standards adopted for which a utility
advocated (IRDS supported / RDDE adopted) | Codes & Standards (CS) | 2016

 | | N/A | N/A | 569554 | 0 | | 1 21
 | 21 | 21 | 1 | 21
 | | N.(A | N/A | I IDas supported +
 | |
| | | | | | _
 | abouted (RO2 supported / RD08 adopted) | | |

 | 100% | N/A | N/A | 56955400% | N/A | 0.03703703 | 100%
 | 100% | 100% | 25 | 100N
 | 1 | N/A | N/A | # DDB adopted
 | Automotive and cargot are annual. |
| 291 PG&6 A10 | CSS | 1 | Count | Reach Codes | Metric
 | The number of local government Reach Codes
Implemented (disc is a joint XDU and NIX effort) | The number of local government Reach Codes
implemented (this is a juint ICU and RIN effort) | Codes & Standards (CS) | 2016

 | | | | | | |
 | | | |
 | | | | Reach Code and mances implemented
 | Tagets are total for a three-year the 34 code syste. Survival the multiple reads code swill be
sourced by reads code rather than by persidence. Accomplicationents will be reported from the CRC Read
Coder we head to 1000-1000 and to 2000 CRC 2000 CRC and the CRC Read
Coder we head to 1000-1000 and to 2000 CRC 2000 |
| | | | | |
 | Number of training activities (classes, webman) held, | Number of training activities (classes, webmark) held, | |

 | ć | e/a | w/a | CC9CC4 | c | e e | 5 W/A
 | N/A | × | 128 | ×
 | 31 | N/A | N/2 |
 | |
| 292 PG&6 A11 | CS6 | 1 | Count | Compliance improvement | Metric
 | number of market actors participants by segment (e.g.
building officials, builders, architects, etc.) and the the | Number of training activities (States, webman) held,
number of market actors participants by segment (e.g.
building officials, builders, activities, etc.) and the the
static care (unweek of the target authories) by sector. (M)
Number of training activities | Codes & Standards (CS) | 2017

 | | | | | | |
 | | | |
 | | | | Number of training activities
 | 138 investment greations and 20 webbrars in 2017, theri, end, and long-term tagets are annual |
| | | | | |
 | Number of training activities | Number of training activities | |

 | 128 | N/A | N/A | 569554 | 191 | 190 | 128
 | 128 | 120 | | 124
 | 195 | N/A | N/A |
 | |
| 293 PG&6 A11 | C56 | | Count | |
 | Number of training adjustics (classes, webman) held,
number of market actors participants by segment (e.g. | Number of training activities (stasses, webmars) held,
number of market actors participants by segment (e.g. | Codes & Standards (CS) | 2017

 | | | | | | |
 | | | 3,600 |
 | | | |
 | 1000 attendees for two training and 600 attendees for websians in 2017, short, mid, and long-term target |
| 293 PGEE A11 | CSE | 2 | Count | Compliance improvement | Metric
 | building afficials, builders, architects, etc.) and the the
total scie (number of the target audience) by sector. (M) | Number of training activities (classes, webinars) held,
number of market actars participants by segment (e.g.
building officials, builders, anthrends, etc.) and the the
tand size (number of the target audience) by sector. (M)
Number of participants. | Codes & Standards (CS) | 2017

 | | | | | | |
 | | | |
 | | | | Number of participants
 | are annual. Attendeec will be shown by major segment (i.e., building afficials, builders, architects, HER
Gaters) and target size of each segment will be provided during first metrics reporting. |
| | | | | |
 | Number of participants | Number of participants. | |

 | 3,600 | N/A | N/A | 569.554 | 4.970 | 3690 | 3 3600
 | 2600 | 2600 | 0 | 800
 | 2.959 | N/A | N/A |
 | Code constance knowledge increase will be tested vo pre and post tomma puertionance. Surveys will be |
| 294 PG&6 A11 | CSE | а | Score | Compliance improvement | Metric
 | transate in code compliance knowledge pre/post training | toprace in code campitance knowledge pre/part transs | 4 Codes & Standards (CS) | 2017

 | 2006 | N/A | N/A | SERCEMENT | 10% | |
 | 20% | 20% | | 204
 | 226 | N/A | N/A | Knawledge care
 | be canducted for training that locit larger than three hours (in order to preceive time for instruction in
chorter training session). Questionaires will be made available during the first metrics reporting. |
| 295 PG&6 A11 | CSER | 1 | Percent | Compliance improvement | Metric
 | The percentage increase in classed permits for building
projects triggering energy code compliance within | The percentage increase in closed permits for building
projects toggeting energy code compliance within | Codes & Standards (CS) | 2018

 | | | | | | |
 | | | N/A |
 | | | |
 | |
| 296 PG&6 A11 | CSER | 1 | Count | Compliance improvement | indicator
 | an trouble second of particulations with staff | carticountry sursidictions
Number and percent of jurisdictions with staff | Codes & Standards (CS) | N/A - Indicato

 | N/A | N/A | N/A | 569654 | N/A | NO. | N/A
 | N/A | N/A - Indicator | N/A - Indicator | N/A
 | N/A | N/A | N/A |
 | |
| 297 PG&G A11 | | 1 | Percent | Compliance improvement | indicator
 | Number and generat of jurisdictions with staff
santicosting in an Energy Policy Norum | Number and percent of junishrbors with staff
sarticousting in an Energy Policy Porum | Codes & Standards (CS) | N/A - Indicato

 | N/A - indicator | N/A - Indicator | N/A - Indicator | 569554 | N/A - Indicator | N.O Indicator | N/A - Indicator
 | N/A - indicator | N/A - Indicator | N/A - Indicator | N/A - Indicator
 | N/A - Indicator | N/A - Indicator | N/A - Indicator |
 | |
| 298 PG&G A11 | CSER | 1 2 | Count | Compliance improvement |
 | | Number and percent of jurisdictions receiving thergy
Publicy technical association. | Codes & Standards (CS) | N/A - Indicato

 | N/A - Indicator | N/A - Indicator | N/A - Indicator | 569554 | N/A - Indicator | N/A - indicator | N/A - indicator
 | N/A - Indicator | N/A - Indicator | N/A - Indicator | N/A - Indicator
 | N/A - indicator | N/A - Indicator | N/A - Indicator |
 | |
| 299 PG&6 A11 | CSER | 2 | Percent | Compliance improvement |
 | | | Codes & Standards (CS) | N/A - indicato

 | | N/A - Indicator | N/A - indicator | 569554 | N/A - Indicator | INCA | N/A - indicator
 | N/A - Indicator | N/A - Indicator | N/A - indicator | N/A - Indicator
 | N/A - Indicator | N/A - Indicator | N/A - Indicator |
 | |
| 300 PG&6 A11 | CSER | а | Count | Compliance improvement | indicator
 | Buildings receiving enhanced code compliance support
and delivering compliance data to program evaluation | Buildings receiving exhanced cade compliance support
and delivering compliance data to program-evaluators | Codes & Standards (CS) | N/A - Indicato

 | N/A - indicator | N/A - Indicator | N/A - indicator | 559554 | N/A - Indicator | m(A | N/A - indicator
 | N/A - Indicator | N/A - Indicator | AVA - HARDED | N/A - Indicator
 | N/A - indicator | N/A - Indicator | N/A - Indicator |
 | |
| | | T | | |
 | | | | 1

 | | | T | | | |
 | | 7 | 8 |
 | | | |
 | Collaborations," many sharing makazily interfacial resources such as training materials, separtice, and
material photoschicalities that help advices WIET parks and subscenes and that support the collaborating
many colleges, "such and sharing the second s |
| 201 PG&F A12 | WET-1 | | Count | Collaborations | plante
 | Number of calibborations by Buckeys Plan sector to
partly develop or chare Staning materials or resources. | Number of collaborations by Business Plan sector ta
loord's develop or chare toxicing insterials or resources. | Workforce Education and Training (M ^{erry} | N/A

 | | | | | | 1 | 1
 | | | | 1
 | | 1 | 1 | laf mo.
 | regenerante gale e ana anjanten.
The largest are based an interviews, with PSEE shaft, PSEE does not a sticigate a viewy increase in the number of |
| A12 | wal-1 | | | |
 | paintly develop or share training materials or resources. | pointly develop or chare training materials or resources. | (well) |

 | execute | | 1 1 | | | 1 | 1 1
 | | | | 1
 | | 1 | 1 |
 | tellakonstiane, bai naitor torsum schlet ar norder of cellakonations as anticities became self scalabiling attitud
for meditor PEEE revisionen. Die 2016 segri is set as 3(2), because PEEE does nationently have any signed
cellakonstitut an arremeth is does. |
| | | | | |
 | | | |

 | collaboration | w/a | w/a | | a./a | | . N/A
 | c | | |
 | | N/A | N/A |
 | Terratis referi surdar al anomaria surveily in alare as al fite edenad time anial. |
| | | | | |
 | | | |

 | al Residential: 2,657
Non-Res: 2,056
TOTAL: 6,513 | | | | | a) |
 | | | res and 3,050 non-res) |
 | | | I — |
 | |
| | | | | 1 |
 | | 1 | |

 | | | | | | a)
Residential: 3,666
Non-residential: 9,596
Total: 13,462 | 1
 | | | | 1
 | al Reconstruction | 1 | 1 |
 | |
| | | | | 1 |
 | | 1 | | 1

 | N I is note of popula try:
reyac J, 2177
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Building/Performance
Performance
Building/Performance
Performance
Building/Performance
Performance
Building/Performance
Performance
Building/Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Performance
Perform | | 1 1 | | | Total: 13,462 | 1
 | | | | 1
 | aj By res/nan-res sectar:
Residential - 8,254
Non-residential - 11,565 | 1 | 1 |
 | |
| | | | | 1 |
 | | | |

 | BuildingPerformance
3,272 | | | | | b)
Agricultural: 206 |
 | | | |
 | Teach 10 010 | | |
 | |
| | | | | 1 |
 | | 1 | | 1

 | Commissioning(Cu)
2,669 | | | | k) Johi Jao,
July Joho Hu,
Ji Shi Jiao, Yung Jiao, Jiao Jiao, Jiao Jiao,
Yung Yung Yung Yung Yung Yung Yung Yung | Ruilding Envelope: 3,352
Climate and Sustainability: | 1
 | | | | 1
 | Index any and
by Chass Trajec:
Applications - 621
Mining Sevelops - 687
Mining Sevelops - 687
Mining Sevelops - 687
Communication Sevelops - 6884
Communications Sevelops - 6884
Communications - 2858
Energy Auditys, - 4159
Energy Code (Time 24), -6284
Energy Auditys, -4159
Energy Code (Time 24), -6284
Energy Code (Time 24), -6284
Energy Code (Time 24), -6284
Energy Code (Time 24), -6384
Energy Code (Time 24), -6384
Ene | 1 | 1 | | "Sector" rates to
 |
| | | | | |
 | | | |

 | Lighting 1,729
ZeroNetEnergy | | | | TOTAL: 12,992
b) in order of popularity: HVAC - | 2,540
Commercial Food Service: |
 | | | |
 | Agricultural - 521
Building Envelope - 4987 | | |
 | Residential versus neuronistential Deregy afficiency training topic area (e.g., Sighting, Will, Agricultural) |
| | | | | |
 | | | |

 | 1,725
Title24 1,673 | | | | 4919; Building Performance -
2742; Building Envelope - 2552; | 1,617
Commissioning: 2,096 |
 | | | |
 | Climate and Sustainability - 5884
Commercial Food Service -980 | | |
 | "Participants" means aggregate slava attendance, meaning that one person attending ten slavors throughout the per
would qualify as tempericipants. This is an assurate measurement of automore interest per topic / sectors. |
| 202 PGBE A12 | WET-2 | 1 | Count | Penetration | Metric
 | Number of participants by sector | Number of participants by sector | Workforce Education and Training (WET) | 2016

 | Controls 1,451
BuildingEnvelope | | | | Controls - 2379; Commissioning
(Cx) - 2318; Integrated Building | Energy Auditing: 1,857
Energy Code (Title 24): 3,353 |
 | | | |
 | Commissioning - 2958
Energy Auditing -2129 | | | Approximation approximatio | PCBE analysed attendancervales view 2012 and discovered a high positive constation (0.8) between unemployment
order to Collection and class attendances (theorem) and other attendance of excellences had a located as
 |
| | | | | |
 | | | |

 | 1,004
SitePlanning 1,295 | | | | (Tele 24) - 2255; Lighting - 1704;
(Tele 24) - 2255; Lighting - 1704; | Hance 221
Home Performance: 1,385 |
 | | | |
 | Finance - 259 | | |
 | antificial of for mixing industry, in other words, when the worldness is lowy, they do not have time to allend as more
classes. The anomployment rate has failers since 2008, which means that attendance may fail as well. POBE will |
| | | | | |
 | | | |

 | Audits 1,125
Architecture 1,013 | | | | Architecture - 1528; Henewaldre
Energy - 1222; Climate and
Control of 102 | industrial: 366 |
 | | | |
 | HOME PERSONNAL AND A STATE | | |
 | adjust the insisting format (e.g., Other and investment) and time (e.g., Other right classes) is under to maintain our 2014
attendance figure. |
| | | | | |
 | | | |

 | Refrigeration 976 | | | | Auditing - 1062; Linergy
Auditing - 1060; Solar - 784; | 4,121 |
 | | | |
 | integrated Building Design / 2NE - | | |
 | |
| | | | | |
 | | | |

 | Process/Manufacturi
os 801 | | | | Daylighting - 508; Benchmarking -
455: Commercial Good Service - | Rates, Rebate & Incentive
Enser GG4 |
 | | | |
 | Lighting - 4098
Roter: Robote & Incention | | |
 | |
| | | | | |
 | | | |

 | Salar 792
Gimataan Environm | | | | 448; Refrigeration - 640;
Encreas Manufacturine - 350; | Renewable Energy: 1,787
Software Mathematics |
 | | | |
 | 5845
Lighting e 4098
Rates, Rebate & incentive
Programs - 1167
Renewable Energy - 2825
Saftware (Analysis, Modeling) - | | |
 | |
| | | | | |
 | | | |

 | ent 771
Benchmarking 648 | | | | Software (Analysis, Modeling) -
260: Motors - 196: Finance - | Modeling: 455
Water & Energy, 2,229 | 6,500 Total
(3,450 res and
 | 6,500 Total
(2,450 res and | 6,500 Total (3,450
res and 3,050 non- | | 6,500 Total (2,450 res and 2,050 non-
 | Software (Analysis, Modeling) -
719 | | |
 | |
| | | | | |
 | | | |

 | Deviations 644 | N/A | N/A | 569554 | 114 | Other: 25 | 2.050 non-red
 | 2050 non-res) | reci | 0 | rest
 | Water & Energy - 2910 | N/A | N/A |
 | Antiparta "ana atau atau atau atau atau atau atau a |
| | | | | |
 | | | |

 | | | | | | |
 | | | |
 | | | | Rementer from size, registerion database.
 | execution means unique participants, maning training press and uniquest states, to require the press states
for sourced as one participant. |
| 202 PG&G A12 | WET-2 | 1 | Percentage | Penetration | Metric
 | Respect of conferences origina to allot the Taxan | | |

 | | | | | | |
 | | | |
 | | | |
 | |
| | | | | | Metho
 | eceutation for cumputum | Percent of participation relative to eligible target
sopulation for curriculum | Workforce Education and Training (WET) | 2016

 | | | | | | |
 | | | |
 | | | | largest share of advanced energy (else in California, About 4's in 50 advanced
 | Cartonaum neuro conseguramente reconseguração a conseguração a conseguração de la conseguração |
| | | | | | Metho
 | Pencent of participation relative to eligible target
population for curriculum | Present of participation relative to eligible target
population for curriculum | Workforce Education and Training (WET) | 2016

 | | | | | | |
 | | | |
 | | | | Singy sustaining increasing and require response from gravity assumes in the
length is have a drawned mergy plot in Schlarks a Alami et in 10 advanced
mengy suchers are methyped in the langu Ultraining sustains (struct from support
non 101,000 pln ⁻¹ Assume advanced Energy Ultraining plots are summarized
in paralisis for such 34 in entry, Papalation Equate Schlared Hum 2020 convex.
 | contraction refers to insponence of society programs and society registerials interesting index.
Wightering propulation ² refers to the many efficiency data workform within each RYs service territory based on
the properties of the SSO's territory population compared to their of California's population. |
| | | | | |
 | population for curriculum | Preced of participation relative to eligible target
population for curriculum. | Workforce Education and Training (WCT) |

 | 2.6% (2,450 unique
participants) | 2450 | 122380 | 55955400.00% | 2.50% | 3.00 | 6 2.60%
 | 2.60% | 2.60% | | 2.60%
 | | 4.81 | 122.380 | Long subment increase pair operations of the second strain of the
longers is here at all content of many plots. In the long till clones, all mains is in 20 advanced
energy submers are employed in the long till clones you using these long variants
and 120,000 per longers are second as a second strain of the second strain and
energy submers are second as a second strain and the second strain and
population for each AL sectory. Application Spore electricate from 2020 servers.
 | Lamination inters to the parameter is a strate program. An extension of the extension intervent is the set of
Englishing appropriate of the Strategies parameters in the set of Collinear's properties
for properties of the EQA is entry parameters respect to the set of Collinear's production.
And Engineering approximation is a set of the set of Collinear's production. |
| 204 PG&G A12 | WET-3 | | Percentage | Diversity | Metric
 | population for curriculum Personet of latal WEET training program participants that meet the definition of disad-unstaged-worksr. | Present of participation relative to eligible target
population for curriculum
Present of local INTERTOININg program participants that
need the definition of disadvallaged worksr. | Workforce Education and Training (WST) | 2016
N/A

 | 2.6% (2,450 unique
carticicanto)
N/A | 2450-
N/A | 122280 | 56855400.00% | 250% | 42.300 | s 2.60%
s 62%
 | 2.60% | 2.60% | 1 | 2.60%
 | | 4.91 | 5 5584 | The grant wall have been as a set of the set | Contrast of the start program is a second program to an association of the start program is a second progr |
| 304 PG&C A12 | wet-a | | Percentage | |
 | pipulation for carnatum
Present of table W&Attoxing program participants that
inter the defention of disad samiged worksr. | Protocol of participation indices to eligible taget
population for curriculum.
Protocol of function to the state of the st | Workforce Education and Training (WKT) |

 | 2.6% (2,450 unique
carricicanti)
N(A | 2450
N/A | 122280
N/A | 56955400.00%
569554 | 2.50% | 2 109 | 6 2.6%
6 62%
 | 2.60% | 2.60% | 1 | 2.60% | |
 | 4.81 | 2 132 380
2 5 584 | togets there a denoted even hypothesis (M. San Kanada et al. San | Laterative from the single mass in the former and different states and different states at states. The single approximate is the single approximate is the single approximate is the different state at a state of the single approximate is the different states at a state of the single approximate is the different states at a state of the single approximate is the different states at a state of the single approximate is the different state at a state of the single approximate is the different states at a state of the single approximate is the different states at a state of the single approximate is the single ap |
| 304 PG&E A12 | WETA | | Percentage | |
 | appulation for curvatures | Present of participation internet to integrite target
paperation for controlsom
Present of Instal WRAT topicing program participants that
met the definition of Biodionizgod worker. | Workforce Education and Training (WET) Workforce Education and Training (WET) |

 | 2.6% (2,450 unique
carticicanti)
N/A | 2450
N/A | 522280
N/A | 55855.800.00%
559558 | 2.50% | 2 109 | 5 2.69%
5 60%
 | 2.60% | 2.60% | 1 | 2.60%
 | | | 5 5584 | magnet have an enginesis of planes. Sum to be informed and a second s | Uncertainty of the second seco |
| | | . 1 | | Diversity | Metric
 | Present of lasti W&Et training program participants their
mentils definition of disabarchight worker. | population for controloum
Persons d'Instal MRETTONIENE program part capants that
ment the administration of Biological audies: | Workforce Education and Training (WET) Workforce Education and Training (WET) | N/A

 | 2.6% (2,450 unique
carticioante)
N/A | 2450 | 122380
A/A | 52855400.001
528554 | 2505 | 47.309 | c 2.00%
c 60%
 | 2.60% | 2 60% | 1 | 2.60%
 | | 248 | 5 522 380
5 5 584 | The product of a stream of an erg paths in Editors. Hence on the distance of the graph of the path of | Landow and a second sec |
| 205 PG& A12 | | . 1 | Percentage | |
 | Present of lasti W&Et training program participants their
mentils definition of disabarchight worker. | population for controloum
Persons d'Instal MRETTONIENE program part capants that
ment the administration of Biological audies: | Warkforce Education and Training (INST) Warkforce Education and Training (INST) Warkforce Education and Training (INST) |

 | 2.6% (2,450 unique
carticica %)
%6 | 2450 | 122380
Auta | 52871400.00M | 2.50%
50.29% | 2.109
47.209 | - 2.60%
- 60%
 | 2.60% | 2.00% | | 2.60%
 | 0 | | 2 122 280 | Inspirate and a second |
 |
| | | . 1 | | Diversity | Metric
 | Present of lasti W&Et training program participants their
mentils definition of disabarchight worker. | population for controloum
Persons d'Instal MRETTONIENE program part capants that
ment the administration of Biological audies: | Workforce Education and Training (MTT) Workforce Education and Training (MTT) Workforce Education and Training (MTT) | N/A

 | 2.6% (),450 unique
articleanni
arta | 2452 | 122380 | 5005300000
50053 | 2.50% | 2.109
47.209 | s 2.60%
6 60%
 | 2.60% | 260% | | 2.50%
 | | | 2 122 280
2 5 584 | The second se |
 |
| | | . 1 | | Diversity | Metric
 | Present of lasti W&Et training program participants their
mentils definition of disabarchight worker. | population for controloum
Persons d'Instal MRETTONIENE program part capants that
ment the administration of Biological audies: | Workforce Education and Training (MIT) Workforce Education and Training (MIT) Workforce Education and Training (MIT) | N/A

 | 2.6% ().450 unique
carticipanta)
a/A | 2450 | 122380 | 55855400 R0%
500554 | 250% | 47.30 | 6 2.60%
6 60%
 | 2.00% | 260% | i
0 | 2 50%
 | | 481 | 5 584 | Index of the second sec |
 |
| 205 PG&£ A12 | WET-3 | | Percentage | Diversity
Diversity | Metric
Metric
 | n-coin d'uid WAT taking jang an jurisipan taki
met the addition of data senger service.
Necessari of mandmer addits, quest as satisfaits ² with a
measure data junction to panele as satisfaits ² with a
manufactural junction to panele case pathways to
make steps | pagelates for control on
messare of store MRK having angeles are trade with the
event the abilition of blackening of autoes.
In cost of abilition of blackening of autoes. | w Werkforce Education and Training (WKT) | N/A
N/A

 | 2.6% (2.69 unique
carticipants)
a/A | 2450
N/A | 12280
N/A | 55855400 P.075
550554
550554 | 2 50%
C0 79% | 110
4730 | 5 2.60%
5 60%
215
 | 2.60% | 260% | 1
0
N/A | 2.50%
 | 0
0
0
0/4 | 4.81
2.45 | N/A 20 program
N/A 20 program |
 | |
| | WET-3 | | | Diversity | Metric
Metric
 | Annual of an AME Young ang an annual share an an annual share | papaties for instances
Proved shadt Mitth Tassace grapping and starting the
method shadt Mitth Tassace grapping and start
proved shadt on the form and the spectra of the
proved shadt on the start of the start of the start of the
method start of the start of the start of the start of the
method start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the
start of the start of the
start of the start of | w Werkforce Education and Training (WKT) | NA

 | 2.6% (2,450 unique
entricisant)
9/2 | 2450
8/3
8/3 | 12280
8/3 | 50055400 00%
500554
500554
500554 |) 559
50 (195
NA | 4730
4730
80 | 5 2.60%
6 60%
2% | 2.50%
60%
2% | 260%
 | 1
0
N/A
14d TMAs* | 2.50%
50%
10% | o
o
o
o
o
o
o
o
o
o
o
o | 1 4 81
2 48
1 2 48
N/A 20 program 1
Isunch late
2021 | N/A 2000
N/A | State of the st | |
| 205 PG&£ A12 | WET-3 | i 1
i 1 | Percentage | Diversity
Diversity | Metric
Metric
 | n-coin d'uid WAT having program participant. Set
mentine address of data serger service.
Necessari of mandmer address quest as satisfaits" with a
measure data participant is gained a caster pathway to
databatiget waters. | papaties for instances
Proved shadt Mitth Tassace grapping and starting the
method shadt Mitth Tassace grapping and start
proved shadt on the form and the spectra of the
proved shadt on the start of the start of the start of the
method start of the start of the start of the start of the
method start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the start of the start of the start of the
start of the start of the
start of the start of the
start of the start of | w Werkforce Education and Training (WKT) | N/A
N/A

 | 2.6% (2,450 unique
entrificants)
N/A
N/A | 1/50
1/3
1/3 | 122280
5/4 | 55955400.00%
569554
569554
569554 | - 1.6%
50.19%
8/2 | 4 3 400
47 3 400
5 100
6 Decoles and gas 17 Me | 2 2 60%
6 60%
2 2%
 | 2 60%
60%
2% | 2.60%
60%
3% | 1
0
N/A
thd TPAs* | 2,655
685
105
874 | on
NA
WA Paragram to loands liter
Descention of L
 | × 4.01
2.48
×/A
×/A
×/A
×/A
×/A
×/A | 122 280 5 584 К/А. 20 родова К/А. 20 родова К/А. 20 родова К/А. 20 родова | |
 |
| 205 PGEE A12
206 PGEE A12
207 PGEE A12 | WET-3
WET-3
ETP-ME | · · · · | Percentage
Count
Count | Diversity
Diversity
Diversity
Research Prointigation | Metric
Metric
Indicator
Metric
 | A source of later MMM "reaves, program produced in the
method additional of additional and produced and
methods and additional additional and the
method additional additional additional and
additional additional additional additional additional
additional additional additional additional
additional additional additional
additional additional
additional additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional
additional | papertielle for an international
Property of an international and an international and an international
means of an international and an international and an international
means of an international and an international and and and
means of an international and an international and and
means of an international and and an international and and
means of an international and and and and and and and and
means of an international and and and and and and and and
means of an international and and and and and and and and
means of an international and and and and and and and and
means of an international and and and and and and and and
means of an international and and and and and and and and
means of an international and and and and and and and and
and and and and and and and and and and | workforce Education and Training (MVT) workforce Education and Training (MVT) Energing Technologies (TT) | N/A
N/A
N/A
N/A

 | 2.6% (2,450 unique
auréciaum)
a/2
a/2
a/2
a/2
a/2
a/2 | 1/50
1/5
1/5
1/5 | 122280
5/4
5/4 | 56955900.005
569554
569554
569554
569554 | 2.65%
50.39%
80%
80% | 47 209
47 209
N.N.
6 Decote and gas 1744
where including download | 2 60%
 | 2.60%
60%
2% | 260% | | 2,655
685
105
874
844
 | 2021
This metric will be updated once
2P implementation beaus | 4 81
2 48
N(A, 20 pagan t
Junch (str p2) 1
N(A, 20 pagan t
Junch (str p2) 1 | N/A
N/A
N/A
N/A
N/A | Section 2016 Control Cont |
 |
| 205 PG&E A12 205 PG&E A12 207 PG&E A12 207 PG&E A13 208 PG&E A13 208 PG&E A13 | WET-3
WET-3
ETP-M2 | · · · · · · · · · · · · · · · · · · · | Percentage | Diversity
Diversity
Diversity | Metric
Metric
Indicator
 | Notes of Arizo Michael pupper | papatient for instances
in the second | Workforce Education and Training (WCT) Workforce Education and Training (WCT) | N/A
N/A
N/A
N/A
N/A
 | 2.6% (2.4% enique
anticipanti)
N/2
N/2
N/2
N/2
N/2
N/2
N/2
N/2
N/2
N/2
 | 3450
N/A
N/A
N/A | 522280
N/A
N/A
N/A | 5255500.00%
520554
520554
520554
520554 | 2.56%
50.29%
N/A
N/A
N/A | 3 105
47309
505
6 Denice and gai 1984.
6 Denice and gai 1984.
8 10 20 20 20 20 20 20 20 20 20 20 20 20 20 | 4 2 655
600
205
8/6 | 2.60% | 2455
675
375
375
375
375
375
375
375
375
375
3
 | tbd TPMs* | 2.55%
65%
15%
N/A
0.5 Thin* | Sch.
Vic, Jrpagen to lands for
Mich Program to lands for
Mich
Bain energy will be gelated and
Deckto Thio are gelated in
Deckto | 4 81
2 48
10 2 | N/A
N/A
N/A
N/A
N/A
N/A
N/A
 | The second secon | |
| 205 PGEE A12
206 PGEE A12
207 PGEE A12 | WET-3
WET-3
ETP-M2 | · · · · · · · · · · · · · · · · · · · | Percentage
Count
Count | Diversity
Diversity
Diversity
Research Prointigation | Metric
Metric
Indicator
Metric
 | Ansatz di lata Mithi sang pagin pangan pangan pangan
antara di alam Mithi sang pagin pangan pangan pangan
pangan pangan p | | workforce Education and Training (MVT) workforce Education and Training (MVT) Energing Technologies (TT) | N/A
N/A
N/A
N/A

 | 2.65 (3.452 sinpa
articloses)
3/2
5/2
5/2
5/4
5/4 | 3450
8/3
8/3
8/3
8/3 | 122200
8/3
8/3
8/4
8/4
8/4 | 585540.00%
598554
598554
598554
598554
598554 | 2.655
50.755
N/A
N/A
N/A
N/A | 2017 and 2018 respectiviey. | 4 2.65%
60%
8/4
 | 2 60% | 2 60% | | 2.55%
 | 2021
This metric will be updated once
2P implementation beaus
 | 4.81
7.45
8/5, 22 pages 1
30 cm 5 bits 2011
8/5
8/5 | 122 102
5 584
N/A 22 504
N/A 22 504
1010
1010
1010
1010
1010
1010
1010
1 | | A set of the set of th |
| 305 P564 A12 306 P564 A12 307 P564 A13 308 P564 A13 309 P564 A13 309 P564 A13 | WET-3
WET-3
ETP-M3
ETP-M3 | | Perontage
Court
Court
Court of TMAs
Court of Projects | Duestly
Duestly
Duestly
Asserth Printlation
Asserth Printlation
Projets | Metric
Metric
Metric
Indicator
Metric
Metric
Metric
 | Amount of start MAT Strategy angree packages and
the start of start MAT Strategy angree packages and
the start of start of start of start of start of start of
the start of start of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start
material discussion of start of start of start of start of start of start
material discussion of start of start of start of start of start of start
material discussion of start of | papelete for the standard sector of the stand | worktow Scheden and Towing (NKT) worktow Scheden and Towing (NKT) compare Scheden and Towing (NKT) compare Scheden (ST) compare Scheden (ST) compare Scheden (ST) | N/A
N/A
N/A
N/A
N/A
N/A
2016

 | 3.55 (3.65 onique
enforcem)
N/A | 3450
30/3
30/3
30/3
30/3
30/3 | 172385
5/3
5/3
5/3
5/3
5/3
5/3
5/3 | | 3.504
10.195
NA
NA
NA
NA
NA
NA
NA | 2017 and 2018 respectiviey. | - 2500
- 200
- 216
- 216 | 2000 | 2.6% | tbd TPMs*
 | 2.655
655
105
N/A
2.67 TMA*
2.67 TMA*
2.67 TMA*
0.67 TMA* | 2021
This metric will be updated once
2P implementation beaus | 4.83
7.48
N/A, 30 pagan t
Juan tau 2011
N/A
N/A
 | N/A 500
500
N/A 200
N/A 200
N/ | The second se | |
| 205 PG&E A12 205 PG&E A12 207 PG&E A12 207 PG&E A13 208 PG&E A13 208 PG&E A13 | WET-3
WET-3
ETP-M3
ETP-M3 | | Percentage
Count
Count
Count | Diversity Diversity Diversity Biversity Research Provintization Research Provintization | Metric Metric Metric Indicasar Metric Metric Metric Metric
 | Another of the BATTANA AND AND AND AND AND AND AND AND AND | papellation of the second seco | worktow Scheden and Towing (NKT) worktow Scheden and Towing (NKT) compare Scheden and Towing (NKT) compare Scheden (ST) compare Scheden (ST) compare Scheden (ST) | N/A
N/A
N/A
N/A
N/A

 | 2.55 (2.65 origo
meticani)
NA
NA
NA
NA
NA
NA
NA
NA | 3450
305
305
305
305
305
305
305
305
305 | 122285
505
505
505
505
505
505
505
505 | 101100.000
50010
50010
50010
50010
50010
50010 | 3.00%
163.29%
N/A
N/A
N/A
A/A
A/A | 2017 and 2018 respectiviey. |
 | 2 60% | 2005
005
005
005
005
005
005
005
005
005 | tbd TPMs* | 2.655
655
855
855
857
857
857
857
857
857
857
8 | 2021
This metric will be updated once
2P implementation beaus
 | 4.91
2.48
N/A 20 program 1
NoneX best 2021
N/A
N/A
N/A | 122 283
5 584
N(A, 20 program
10 hando hire
2024
N(A, 20 hando hire)
N(A, 20 | | A set of the set of |
| 305 P564 A12 306 P564 A12 307 P564 A13 308 P564 A13 309 P564 A13 309 P564 A13 | WET-3
WET-3
ETP-M3
ETP-M3 | | Perontage
Court
Court
Court of TMAs
Court of Projects | Duestly
Duestly
Duestly
Asserth Printlation
Asserth Printlation
Projets | Metric
Metric
Metric
Indicator
Metric
Metric
Metric
 | Another of the BATTANA AND AND AND AND AND AND AND AND AND | papellation of the second seco | worktow Scheden and Towing (NKT) worktow Scheden and Towing (NKT) congreg Tochologies (ST) congreg Tochologies (ST) congreg Tochologies (ST) | N/A
N/A
N/A
N/A
N/A
N/A
2016

 | 2.65(2.65) once
and/on 201
NA
NA
NA
NA
NA
NA | 2450
2075
2075
2075
2075
2075
2075
2075
20 | 12220
304
304
304
305
305
305
305
305
305
305
305
305
305 | 500140 000
50014
50014
50014
50014
50014
50014
50014 | 1555
50.855
805
805
805
805
805
805
805
805
805 | 2017 and 2018 respectiviey. | 2 20%
 | 2 60% | 2605
605
805
805
805
805
805
805
805
805
805
8 | the TPMs*
the projects*
the events* | Jess
Sex
NA
Del Tisht"
Del risht"
Del popt | 2021
This metric will be updated once
2P implementation beaus
 | 5.05
2.65
5.04,30 program 1
3.04,30 program 1
3.04,30 program 1
5.04
5.04
5.04
5.04 | N/A 5 554 | Section 2014, Section 2014, Sec | Martine Sector Secto |
| 84 964 412 964 401 964 412 964 401 964 413 964 401 964 413 964 401 964 413 964 401 964 413 | WEF-3
WEF-3
ETP-MI
ETP-MI
ETP-MI | | Pecontage
Court
Court
Court of TM4s
Court of TM4s
Court of Progets
Court of Series | Duently Duently Duently Duently Duently Research Providuation Research Prioritation Research | Netsic
Netsic
Indicator
Netsic
Netsic
Netsic
Netsic
 | Another of the BATTANA AND AND AND AND AND AND AND AND AND | papellation of the second seco | system dataset at Training (NCT) support to the set of training (NCT) | N/A
N/A
N/A
N/A
N/A
2016

 | 2.65 (2.65 orego
2.65 (2.65 orego
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A | 2452
2473
2474
2474
2474
2474
2474
2474
247 | 122200
8/3
8/3
8/4
8/4
8/4
8/4 | 505500.000
50554
50555
50555
50555
50555
50555 | 1003
10135
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA | 2017 and 2018 respectiviey. |
 | 2 60% | 1605
605
10
10
10
10
10
10
10
10
10
10
10
10
10 | tbd TPMs* | Jels
sin
all
all
all Thin"
all room"
all avent" | 2021
This metric will be updated once
2P implementation beaus
 | 4.81
2.48
3.52
3.53
3.54
3.55
3.55
3.55
3.55
3.55
3.55 | 122 200 стр. 1 5 50 стр. 1 5 50 | And and an | Marine and the second secon |
| 305 P564 A12 306 P564 A12 307 P564 A13 308 P564 A13 309 P564 A13 309 P564 A13 | WET-3
WET-3
ETP-M1
ETP-M2
ETP-M4 | | Perontage
Court
Court
Court of TMAs
Court of Projects | Duestly
Duestly
Duestly
Asserth Printlation
Asserth Printlation
Projets | Metric
Metric
Metric
Indicator
Metric
Metric
Metric
 | Another of the BATTANA AND AND AND AND AND AND AND AND AND | papellation of the second seco | worktow Scheden and Towing (NKT) worktow Scheden and Towing (NKT) congreg Tochologies (ST) congreg Tochologies (ST) congreg Tochologies (ST) | N/A
N/A
N/A
N/A
N/A
N/A
2016

 | 2.05 (2.65 origon
articipan)
MA
MA
MA
MA
MA
MA
MA
MA | 1/152
10/2
10/2
10/2
10/2
10/2 | 122286
5/5
5/5
5/5
5/5
5/5 | 5001100 0000
500110
500110
500110
500110
500110
500110 | 50
50
50
50
50
50
50
50
50
50
50
50
50
5 | 2017 and 2018 respectiviey. | 2 00%
 | 2 60% | | the TPMs*
the projects*
the events* | 2.65% | 2021
This metric will be updated once
2P implementation beaus
 | N/A
N/A
N/A
N/A
N/A
N/A
N/A | N 112 265 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Index and an advance of the second se | |
| 305 PG44 A12 306 PG44 A13 307 PG44 A13 308 PG44 A13 309 PG44 A13 310 PG44 A13 311 PG44 A13 | WET-3
WET-3
ETP-M1
ETP-M2
ETP-M4
ETP-M4 | · · · · · · · · · · · · · · · · · · · | Persetage
Court
Court (TMs)
Court of TMs
Court of Dans
Court of Dans | Dentry Dentry Dentry Rearch Nortation Re | Metric Metric Netric | Notes of starts Michael purgers purgers purgers and starts of the start of the starts |
 | water dataset and head part of water datasets and head part of | N/A
N/A
N/A
N/A
N/A
2056
2056
 | 2.55 (3.450 unique
antificament
2012
2013
2014
2014
2014
2014
2014
2014
2014
2014
 | 200
203
203
203
203
203
203
203
203
203 | 122280
5/5
5/5
5/5
5/5
5/5 | 1001100.000
50055
100555
100555
500555
500555
500555 | 1055
0.255
80.
80.
80. | 2012 and 2018 reservities.
N/A-Distric 1994 will be
underse in 2020.
40
5au STP-Mt | 2 1 40% | 2 60% | 165.
(2)
(2)
(3)
(4)
(4)
(4)
(4)
(4)
(4)
(4)
(4)
(4)
(4
 | the TPMs*
the projects*
the events* | 2,60%
65%
N/A
and T744*
Ref 1764*
Ref anderst* | 2001
This metric will be updated once
20 indematrixin hards.
Exercise TMM wave updated in
2000
20
5
5
5
5
5
5
5
5
5
5
5
5 | . 431
2.40
3.72
3.74
3.75
3.75
3.75
3.75
3.75
3.75
3.75
3.75
 | N 112 2859
S 5940
NAA 20 programs
NAA | See a sector sect | Martin and a start of the st |
| 84 964 412 964 401 964 412 964 401 964 413 964 401 964 413 964 401 964 413 964 401 964 413 | WET-3
WET-3
ETP-M3
ETP-M3
ETP-M4
ETP-M4 | · · · · · · · · · · · · · · · · · · · | Pecontage
Court
Court
Court of TM4s
Court of TM4s
Court of Progets
Court of Series | Duently Duently Duently Duently Duently Research Providuation Research Prioritation Research | Netsic
Netsic
Indicator
Netsic
Netsic
Netsic
Netsic
 | Notes of starts Michael purgers purgers purgers and starts of the start of the starts | | system dataset at Training (NCT) support to the set of training (NCT) | N/A
N/A
N/A
N/A
N/A
2016

 | 2.55 (3.450 onese
articleant)
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA | 2450
2475
2475
2475
2475
2475
2475
2475
2475 | 122300
5/4
5/4
5/4
5/4
5/4
5/4 | 505500.000
50955
50955
50955
50955
50955
50955 | 1100
9.205
80.
80.
80.
80.
80.
80.
80.
80.
80.
80. | 2012 Park 2018 reservices
N/A-Discric TPMA will be
undered in 2023.
44
5
5
5
5
5
7
7
44
5
5
7
7
44
5
7
7
8
10
7
10
10
10
10
10
10
10
10
10
10
10
10
10 | 2 4 600.
4 603.
8 74
8 74
9 0
9 0
9 0
9 0
9 0
9 0
9 0
9 0
9 0
9 0
 | 2 60% | 1405.
655.
155.
155.
155.
155.
155.
155.
15 | the TPMs*
the projects*
the events* | 2.65%
 | 2001
This metric will be updated once
20 indematrixin hards.
Exercise TMM wave updated in
2000
20
5
5
5
5
5
5
5
5
5
5
5
5
 | 5. 6 80
7.00
8.05, 20 program 1
30.06 100 2071
8.05
8.05
8.05
8.05
8.05
8.05 | 8/5.
5.084
8/6. 27 Jungton
10 A 27 Jungton
10 | Section 2012 Control Cont | Marine Caracterization of the second seco |
| 305 864 A13 306 864 A13 307 864 A13 308 864 A13 309 864 A13 300 864 A13 301 864 A13 302 864 A13 313 864 A13 314 864 A13 315 864 A13 | WET-3
WET-3
CTP-M3
CTP-M3
CTP-M4
CTP-M4
CTP-M4 | | Perintage
Gourt
Gourt d'Hile
Gourt d'Hile
Gourt d'Issee
Gourt d'Issee | Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy | Metric
Netric
Indicator
Metric
Metric
Metric
Metric
 | There of a class MAX Transport groups and particular for the second seco | paraleter for a second | washing discuss on Transport washing discuss on Transport markets markets | N/A
N/A
N/A
N/A
N/A
N/A
2016
2016
2016
 | 2.55 (3.450 onese
and concern
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
 | 202
202
202
202
202
202
202
202
202
202 | 122200
2014
2014
2014
2014
2014
2014
201 | | 100
000
000
00
00
00
00
00
00
00
00
00
0 | 342 and 2004 materials
N/K—Secrit 1994 will be
extend to 2000
44
Sec (17-54)
N/K—T374 will begin once
39 inglemation control | 1 40% | 2 50% | 163.
63
164
164
164
164
164
164
164
164
164
164 | the TPMs*
the projects*
the events*
 | 2.655
.655
.655
.857
.857
.857
.857
.857
.857
.857
.8 | 2011
The next of the second se | 4.83
2.00
3.00
3.00
3.00
3.00
3.00
3.00
3.0 | 172 385
5.54
5.54
5.54
5.55
5.55
5.55
5.55
5.
 | man experimentary and an adverse sector of the sector of t | A sector of the tensor of t |
| 305 PG44 A12 306 PG44 A13 307 PG44 A13 308 PG44 A13 309 PG44 A13 310 PG44 A13 311 PG44 A13 | WET-3
WET-3
CTP-M3
CTP-M3
CTP-M4
CTP-M4
CTP-M4 | | Persetage
Court
Court (TMs)
Court of TMs
Court of Dans
Court of Dans | Dentry Dentry Dentry Rearch Nortation Re | Metric Metric Netric | Notes of starts Michael purgers purgers purgers and starts of the start of the starts |
 | water dataset and head part of water datasets and head part of | N/A
N/A
N/A
N/A
N/A
2056
2056
 | 2.05 (2.650 onigo
050 control
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
 | 1450
1474
1474
1474
1474
1474
1474
1475
1475 | 122200
2014
2014
2014
2014
2014
2014
201 | 500550
500555
500555
500555
500555
500555
500555
500555 | 1403
504
805
805
805
805
807
807
807
807
807
807
807 | 342 and 2004 materials
N/K—Secrit 1994 will be
extend to 2000
44
Sec (17-54)
N/K—T374 will begin once
39 inglemation control | 2 4000
4 900
100
100
100
100
100
100
100 | 2 60% |
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100.
100. | the TPMs*
the projects*
the events* | 2.655
.555
.047
.047 .7244
.047 .7244
.047 .7244
.047 .7244
.047 .7244
.047 .7244
.047 .7244
.047 .7244 | 2011
The next of the second se | 543
2.00
8/A 20 program 1
8/A 20 program | 172 382
5.564
6.564
8.66 20 programs
100 barroh tore
2001
8.76
8.76
8.76
8.76
 | | Marine and a set of the set of |
| 305 864 A13 306 864 A13 307 864 A13 308 864 A13 309 864 A13 309 864 A13 309 864 A13 309 864 A13 310 864 A13 311 864 A13 312 864 A14 | WET-3
WET-3
CTP-M3
CTP-M3
CTP-M4
CTP-M4
CTP-M4 | | Perintage
Gourt
Gourt d'Hile
Gourt d'Hile
Gourt d'Issee
Gourt d'Issee | Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy | Metric
Netric
Indicator
Metric
Metric
Metric
Metric
 | There of a class MAX Transport groups and particular for the second seco | paraleter for a second | washing discuss on Transport washing discuss on Transport markets markets | N(A
 | 2.05 (3.65 unique
arrivantion)
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA |
102
103
103
103
103
103
103
103
103
103
103 | 12230
50
50
50
50
50
50
50
50
50
50
50
50
50 | 5855800000
16855
16855
16855
16855
16855
16855
16855
16855
16855
16855 | 100
000
000
000
00
00
00
00
00 | 2012 Park 2018 reservices
N/A-Discric TPMA will be
undered in 2023.
44
5
5
5
5
5
7
7
44
5
5
7
7
44
5
7
7
8
10
7
10
10
10
10
10
10
10
10
10
10
10
10
10 | 1 45% | 2000
000
000
000
000
000
000
000
000
00 | ۲۵۵۱
۲۵۵
۲۵۵
۲۵۹
۲۵۹
۲۵۹
۲۵۹
۲۵۹
۲۵۹
۲۵۹
۲۵۹ | the TPMs*
the projects*
the events*
 | 2.655
.655
.855
.874
.846 .7746*
.846 .7746*
.846 .0001*
.846 .0001*
.846 .0001* | 2001
This metric will be updated once
20 indematrixin hards.
Exercise TMM wave updated in
2000
20
5
5
5
5
5
5
5
5
5
5
5
5 | 4.03
3.00
8.05, 30 pergenera
association 2021
8.05
8.05
8.05
8.05
8.05
8.05
8.05
 | 112 103
5 507
8/5 20 1000
8/5 20 1000
8/5 10000
8/5 10000
8/5 10000
8 | See a sector of the sector | Marine and the second secon |
| 305 864 A13 306 864 A13 307 864 A13 308 864 A13 309 864 A13 309 864 A13 309 864 A13 309 864 A13 310 864 A13 311 864 A13 312 864 A14 | wt73
Wt73
ПР40
ПР40
ПР40
ПР40 | 1 4 1 4 | Perintage
Gourt
Gourt d'Hile
Gourt d'Hile
Gourt d'Issee
Gourt d'Issee | Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy
Bendy | Metric
Netric
Indicator
Metric
Metric
Metric
Metric | There of a class MAX Transport groups and particular for the second seco | paraleter for a second | washing discuss on Transport washing discuss on Transport markets markets | N(A | Jan (J. Add Langue
Antonion)
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA | 101
101
101
101
101
101
101
101
101 | 17782
1973
1973
1973
1974
1974
1974
1974
1974
1974
1974
1974 | 500140.0004
500140
500140
500140
500140
500140
500140
500140
500140
500140
500140
500140 | 100
0.00
30
30
30
30
40
30
40
30
40
30
40
30
40
30
40
30
40
30
40
40
40
40
40
40
40
40
40
40
40
40
40 | 342 and 2004 materials
N/K—Secrit 1994 will be
extend to 2000
44
Sec (17-54)
N/K—T374 will begin once
39 inglemation control | 1 465.
4 467.
4 | 1000
000
000
000
000
000
000
000
000
00 | 2 400.
600.
800.
401.
401.
401.
401.
401.
401.
401.
4 | the TPMs*
the projects*
the events* | NA
Ind TMA*
Ind TMA*
Ind patient*
See (TPA4
 | 2011
The next of the second se | 4.83
2.00
3.05
3.05
3.05
3.05
3.05
3.05
3.05
3 | 122 202
5 585
14 5 585
14 | State and the state of the stat | Marine and a set of the set of |
| 305 PG44 A13 306 PG46 A13 307 PG46 A13 308 PG46 A13 309 PG46 A13 301 PG46 A13 302 PG46 A13 303 PG46 A13 304 PG46 A14 305 PG46 A13 306 PG46 A14 301 PG46 A14 302 PG46 A14 303 PG46 A14 304 PG46 A14 305 PG46 A14 | wt13
Wt13
ПР40
ПР40
ПР40
ПР40
ПР40 | 1 4 1 4 | Feerings Gost Gost Gost Gost Gost Gost Gost Gos | Denty
Denty
Denty
Denty
Denty
March Markada
August
Denty
Denty
Denty
Denty
Denty
Denty
Denty
Denty
Denty | Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
 | Amount of start Bath Strategy angue public sharts of the start Strategy | paraleter for a second | autor factor of hosp (HT) a | N(A
 | J DE 13.45 J Langua
Altri Calandi
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA |
102
103
103
103
103
103
103
103
103
103
103 | 1778
50
50
50
50
50
50
50
50
50
50
50
50
50 | | 100
9.00
90
90
90
90
90
90
90
90
90
90 | 342 and 2004 materials
N/K—Secrit 1994 will be
extend to 2000
44
Sec (17-54)
N/K—T374 will begin once
39 inglemation control | 2 45% | 1 2000
000
100
100
100
100
100
100 | 12000
600
800
800
800
800
800
800
800
800 | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But*
 | 2.653
.653
.054
.057
.057
.057
.057
.057
.057
.057
.057 | 2011
The next of the second se | 44
2.4
2.4
2.4
2.4
2.4
2.4
2.4
2.4
2.4
2 | 0.33
132
132
132
132
132
132
132
132
132
1
 | Statistics of the second se | Martin Carlo and San |
| 305 264 323 265 264 306 843 343 343 307 848 443 308 844 443 311 946 643 312 944 343 313 946 343 314 944 343 315 944 343 316 944 343 317 944 344 318 944 344 319 944 344 314 944 344 | w13
w13
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40 | | Feedage Cont Cont Cont Cont Cont Cont Cont Cont | Barrity Barrit | Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess: | Amount of start Bath Strategy angue public sharts of the start Strategy | purchastion de la construit de | anders datate ad hot gitt) anders datate ad hot gitt) ange (hot gitt) ang | N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A) | stude* | 102
103
103
103
103
103
103
103
103 | 1000.
50
50
50
50
50
50
50
50
50
50
50
50
50 | | 100
0.00
0.00
0.00
0.00
0.00
0.00
0.00 | 247 John 2014 manohom 2
No Charto Yang Wala
andread in 2020.
4
San (17) Add
N.D 177h will hage once
3 ¹ implementation contract
3 ¹ implementation contrac | 2 2 4000
2 40 | an ED study | 60 study | the TPMs*
the projects*
the events* | Ind TMA*
Ind TMA*
Ind TMA*
Ind Path*
Ind Index | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 50
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2. | 10.100
13.65
Web Property
Web P | See a sector of the sector | Marine and a set of the set of |
| 305 PG44 A13 306 PG46 A13 307 PG46 A13 308 PG46 A13 309 PG46 A13 301 PG46 A13 302 PG46 A13 303 PG46 A13 304 PG46 A14 305 PG46 A13 306 PG46 A14 301 PG46 A14 302 PG46 A14 303 PG46 A14 304 PG46 A14 305 PG46 A14 | w13
w13
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40
ПР-40 | | Feerings Gost Gost Gost Gost Gost Gost Gost Gos | Denty
Denty
Denty
Denty
Denty
March Markada
August
Denty
Denty
Denty
Denty
Denty
Denty
Denty
Denty
Denty | Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
 | Anisotra d'une Maria agregang | pupelation teaching and an an and an | anthon factor on (hosp (bit)) anthon factor on (hosp (bit)) ange (hosping), (f) | N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)
N(A)

 | An Quebo import
an experiment
An
An
An
An
An
An
An
An
An
An
An
An
An | 100
101
101
101
101
101
101
101 | 1000
303
303
303
303
303
303
303
303
303 | | 1100
1100
1100
1000
1000
1000
1000
100 | 342 and 2004 materials
N/K—Secrit 1994 will be
extend to 2000
44
Sec (17-54)
N/K—T374 will begin once
39 inglemation control |
 | 1 4000 | 2 (25),
452,
352,
352,
352,
45,
46,
46,
46,
46,
46,
46,
46,
46 | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | NA
Ind TMA*
Ind TMA*
Ind patient*
See (TPA4
 | 2011
The next of the second se | 141
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2.0
2.0
 | 10 20 20 20 20 20 20 20 20 20 20 20 20 20 | And Annual | Martin Carlo and San | | | | | | | | | | | | | | | | | | | | | | | |
| 355 A44 A13 366 A43 A14 370 A44 A13 380 A44 A13 380 A44 A13 380 A44 A13 381 A44 A14 | 9673
9673
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
979700
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040000000000 | | Feeting
Cont
Cont
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte | Barrity Barrit | Mesic | Anisotra d'une Maria agregang | pupelation teaching and an an and a section of the | | N/A | stude"
Per ED, to be
determined by an ED
stude" | 101
201
201
201
201
201
201
201
201
201 | | | 100
033
30
30
30
30
40
30
30
30
30
30
30
30
30
30
30
30
30
30 | 247 John 2014 manohom 2
No Charto Yang Wala
andread in 2020.
4
San (17) Add
N.D 177h will hage once
3 ¹ implementation contract
3 ¹ implementation contrac | Ch mute | an ED study
Per ED, to be
determined by
an ED study | ED study
Per ED, to be
determined by an
Etherwate | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | and Triats*
and Triats*
and Triats*
and researc*
see Triats
See Triats | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 133
24
24
24
25
25
25
25
25
25
25
25
25
25
25
25
25 | 10 202
10 202
No. 2 Paragent
No. 2 Paragent | See a series of sector sect | Marine and a second |
| 305 264 323 265 264 306 843 343 343 307 848 443 308 844 443 311 946 643 312 944 343 313 946 343 314 944 343 315 944 343 316 944 343 317 944 344 318 944 344 319 944 344 314 944 344 | 9673
9673
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97940
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040
97040000000000 | | Feedage Cont Cont Cont Cont Cont Cont Cont Cont | Barrity Barrit | Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess:
Mess: | Anisotra d'une Maria espergre production Maria
este administra d'acte Maria espergre production Maria
este administra d'acte de la construcción de la construcción
de la construcción de la construcción de la construcción
de | pupelation teaching and an an and a section of the | anders datate ad hot gitt) anders datate ad hot gitt) ange (hot gitt) ang | N/A | stude* | | | | 20.
20.
20.
20.
20.
20.
20.
20.
20.
20. | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | | en ED study
Per ED, to be
determined by | 60 study | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | Ind THAN"
Ind THAN"
Ind THAN"
Ind events"
See TTP-Ass
See TTP-Ass | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 141
142
143
143
143
143
143
143
143
143
143
143 | 2012 2012 2014
2014 2014 2014
2014 2014 2014 2014
2014 2014 2014 2014
2014 2014 2014 2014
2014 2014 2014 2014 2014
2014 2014 2014 2014 2014 2014
2014 2014 2014 2014 2014 2014 2014
2014 2014 2014 2014 2014 2014 2014 2014
2014 2014 2014 2014 2014 2014 2014 2014
2014 2014 2014 2014 2014 2014 2014 2014 | Scher and Scher and Schera and Schera and Scher and Schera and Scher and Scher and Scher and Scher and Scher and Scher and Sch | Martin and a set of the set of |
| 315 PG4 A13 306 PG4 A13 307 PG4 A13 308 PG4 A13 309 PG4 A13 301 PG4 A13 313 PG4 A13 314 PG4 A14 313 PG4 A14 314 PG4 A14 315 PG4 A14 316 PG4 A14 317 PG4 A14 318 PG4 A14 314 PG4 A14 315 PG4 A15 316 PG4 A15 317 PG4 A15 318 PG4 A15 319 PG4 A15 319 PG4 A15 310 PG4 A15 311 PG4 A15 315 PG4 A15 | жтэ
итэ
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п | . . | Fremage Cont Cont Cont Cont Cont Cont Cont Cont | Beerly
Denny
Genery
Reach Marinten
Reach Marinten
R | Mesic | Another of the Shift Shi | pupelation and a second | | N/A N/A <td>Per (D), to be
determined by an (D)
involv[*]
Per (D), to be
determined by an (D)
study[*]</td> <td>1011
201
201
201
201
201
201
201
201
201</td> <td>503
50
50
50
50
50
50
50
50
50
50
50
50
50</td> <td></td> <td>100
0135
30
30
30
40
40
40
40
40
40
40
40
40
40
40
40
40</td> <td>247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3³ implementation contract
3³ implementation contract
3⁴ implementation contract</td> <td>Eth mode
Per ED, to be
determined by an
ED mode</td> <td>en ED stady
Per ED, so be
determined by
en ED stady
Per ED, so be
determined by
an ED stady</td> <td>ED study
Per ED, to be
determined by an
Etherwate</td> <td>the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But*</td> <td>and Triats*
and Triats*
and Triats*
and researc*
see Triats
See Triats</td> <td>2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201</td> <td>43
30
30
30
30
30
30
30
30
30
3</td> <td>10.00 P P P P P P P P P P P P P P P P P P</td> <td> Sense and a sense sense</td> <td> An and a set of the second seco</td> | Per (D), to be
determined by an (D)
involv [*]
Per (D), to be
determined by an (D)
study [*] | 1011
201
201
201
201
201
201
201
201
201 | 503
50
50
50
50
50
50
50
50
50
50
50
50
50 | | 100
0135
30
30
30
40
40
40
40
40
40
40
40
40
40
40
40
40 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | en ED stady
Per ED, so be
determined by
en ED stady
Per ED, so be
determined by
an ED stady | ED study
Per ED, to be
determined by an
Etherwate | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | and Triats*
and Triats*
and Triats*
and researc*
see Triats
See Triats | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 43
30
30
30
30
30
30
30
30
30
3 | 10.00 P P P P P P P P P P P P P P P P P P | Sense and a sense sense | An and a set of the second seco |
| 355 A44 A13 366 A43 A14 370 A44 A13 380 A44 A13 380 A44 A13 380 A44 A13 381 A44 A14 | 9073
9073
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
91940
910
910
910
910
910
910
910
910
910
91 | . . | Feeting
Cont
Cont
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte
Cont of Inte | Barrity Barrit | Mesic | Another of the Shift Shi | pupelation teaching and an an and a section of the | | N/A | stude*
Per ED, to be
determined by an ED
stude*
Per ED, to be
determined by an ED
stude* | нії
мі
мі
мі
мі
мі
мі
мі
мі
мі
мі | 1008
101
101
101
101
101
101
101 | | 500
500
500
500
500
500
500
500
500
500 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | en ED stady
Per ED, so be
determined by
en ED stady
Per ED, so be
determined by
an ED stady | Ebitady
Per ED, to be
determined by an
Ehistoste
Per ED, to be
determined by an
ED study | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | NA
Intel Trade,*
Intel Trade,*
Ref and/refs.
Ref and/refs.
Intel And/ | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 50
50
40 F propos
40 F propos
40 F propos
40 F
40 F
40 F
40 F
40 F
40 F
40 F
40 F | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | Scher and Scher and Schera and Scher and Schera and Scher and Schera and Scher and Schera and Sch | Martin Carlo and Same and S |
| 315 PG4 A13 306 PG4 A13 307 PG4 A13 308 PG4 A13 309 PG4 A13 301 PG4 A13 313 PG4 A13 314 PG4 A14 313 PG4 A14 314 PG4 A14 315 PG4 A14 316 PG4 A14 317 PG4 A14 318 PG4 A14 314 PG4 A14 315 PG4 A15 316 PG4 A15 317 PG4 A15 318 PG4 A15 319 PG4 A15 319 PG4 A15 310 PG4 A15 311 PG4 A15 315 PG4 A15 | жтэ
итэ
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
пэмин
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п
п | . . | Feenings Com | Beerly
Denny
Genery
Reach Marinten
Reach Marinten
R | Mesic | Anisotra d'une Maria espergre production Maria
este administra d'acte Maria espergre production Maria
este administra d'acte de la construcción de la construcción
de la construcción de la construcción de la construcción
de | pupelation and a second | | N/A N/A <td>Per (D), to be
determined by an (D)
involv[*]
Per (D), to be
determined by an (D)
study[*]</td> <td></td> <td></td> <td></td> <td>100
100
00
00
00
00
00
00
00
00
00
00
00</td> <td>247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3³ implementation contract
3³ implementation contract
3⁴ implementation contract</td> <td>Ch mute</td> <td>an ED study
Per ED, to be
determined by
an ED study</td> <td>ED study
Per ED, to be
determined by an
Etherwate</td> <td>the time
the time
the paper."
The eTP-44
Get TP-44
Get T</td> <td>and Triats*
and Triats*
and Triats*
and researc*
see Triats
See Triats</td> <td>2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201</td> <td>50
50
50
50
50
50
50
50
50
50
50
50
50
5</td> <td>10.00 - 10.00
10.00 - 20.00
10.00 - 20.00
10.00</td> <td> Scherbergerschlich und scherbergerschlich und scherbergerschlister und scherbergerschlich und scherbergerschlich und scherbe</td> <td>Marine and a set of the set of</td> | Per (D), to be
determined by an (D)
involv [*]
Per (D), to be
determined by an (D)
study [*] | | | | 100
100
00
00
00
00
00
00
00
00
00
00
00 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Ch mute | an ED study
Per ED, to be
determined by
an ED study | ED study
Per ED, to be
determined by an
Etherwate | the time
the time
the paper."
The eTP-44
Get TP-44
Get T | and Triats*
and Triats*
and Triats*
and researc*
see Triats
See Triats | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 50
50
50
50
50
50
50
50
50
50
50
50
50
5 | 10.00 - 10.00
10.00 - 20.00
10.00 | Scherbergerschlich und scherbergerschlich und scherbergerschlister und scherbergerschlich und scherbergerschlich und scherbe | Marine and a set of the set of |
| 335 FG4 A12 346 FG4 A13 347 FG4 A13 348 FG4 A13 349 FG4 A13 341 FG4 A13 342 FG4 A13 343 FG4 A14 344 FG4 A14 345 FG4 A14 346 FG4 A14 347 FG4 A14 348 FG4 A14 349 FG4 A14 341 FG4 A14 342 FG4 A14 343 FG4 A14 | WG3
WG3
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN | | Feesing
Cont
Cont
Cont files
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Frees of too binary
Cont of the binary
Cont of the binary | Beerly Be | Mesc | Another of the Shift Shi | puedetaria faita dansa d | | N/A
N/A
N/A
N/A
N/A
2556
2556
2556
32556
N/A
N/A
N/A
N/A | Holds"
Per ED, to be
determined by as ED
mode"
Per ED, to be
determined by as ED
mode"
Per ED, to be
determined by as ED
mode" | | 1008
101
102
103
103
103
104
105
105
105
105
105
105
105
105 | | 100
100
20
20
20
20
20
20
20
20
20
20
20
20
2 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | en ED stady
Per ED, so be
determined by
en ED stady
Per ED, so be
determined by
an ED stady | Ebitady
Per ED, to be
determined by an
Ehistoste
Per ED, to be
determined by an
ED study | the TMA:
the TMA:
But projects*
But weret*
See TT+AM
But*
But* | NA
Intel Trade,*
Intel Trade,*
Ref and/refs.
Ref and/refs.
Intel And/ | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 5.5
 | | Selection of the sel | Marine and a set of the second sec |
| 315 PG4 A13 306 PG4 A13 307 PG4 A13 308 PG4 A13 309 PG4 A13 301 PG4 A13 313 PG4 A13 314 PG4 A14 313 PG4 A14 314 PG4 A14 315 PG4 A14 316 PG4 A14 317 PG4 A14 318 PG4 A14 314 PG4 A14 315 PG4 A15 316 PG4 A15 317 PG4 A15 318 PG4 A15 319 PG4 A15 319 PG4 A15 310 PG4 A15 311 PG4 A15 315 PG4 A15 | WG 3 WG 3 GPA0 | | Feenings Com | Beerly
Denny
Genery
Reach Marinten
Reach Marinten
R | Mesic | Another of the Shift Shi | puedetaria faita dansa d | | 10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, | Hode"
Per ED, to be
determined by as ED
must-
per ED, to be
determined by as ED
study"
Per ED, to be
determined by as ED
study" | | | | 1005
1005
20
20
20
20
20
20
20
20
20
20
20
20
20 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | an ED study
Per ED, to be
determined by
on ED study
Per ED, to be
determined by
an ED study
Per ED, to be
determined by
an ED study | E0 study
For ED, to be
determined by an
EN study
EN study
Per ED, to be
determined by an
E0 study
Per ED, to be
determined by an
E0 study
Per ED, to be | the time
the time
the paper."
The eTP-44
Get TP-44
Get T | NA
Intel Trade,*
Intel Trade,*
Ref and/refs.
Ref and/refs.
Intel And/ | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 52
54
55
55
55
55
55
55
55
55
55
55
55
55 | | Sense and sense and sen | Marine and a set of the second sec |
| 335 FG4 A12 346 FG4 A13 347 FG4 A13 348 FG4 A13 349 FG4 A13 341 FG4 A13 342 FG4 A13 343 FG4 A14 344 FG4 A14 345 FG4 A14 346 FG4 A14 347 FG4 A14 348 FG4 A14 349 FG4 A14 341 FG4 A14 342 FG4 A14 343 FG4 A14 | WG3
WG3
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN
GPAN | | Feesing
Cont
Cont
Cont files
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Frees of too binary
Cont of the binary
Cont of the binary | Beerly Be | Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence | Another and a set of the set of t | pupelation and a second | | 10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, | Holds"
Per ED, to be
determined by as ED
mode"
Per ED, to be
determined by as ED
mode"
Per ED, to be
determined by as ED
mode" | | | | 100
0.00
0.00
0.00
0.00
0.00
0.00
0.00 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | en ED stady
Per ED, so be
determined by
en ED stady
Per ED, so be
determined by
an ED stady | Ebitady
Per ED, to be
determined by an
Ehistoste
Per ED, to be
determined by an
ED study | the time
the time
the paper."
The eTP-44
Get TP-44
Get T | NA
Intel Trades*
Intel Trades*
Intel execute*
Intel execut | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | ла
, ая
200
200
200
200
200
200
200
2 | | See a sea of a sea | Markard States and |
| 305 464 A13 204 464 A13 205 464 A13 206 464 A13 207 464 A13 208 464 A13 208 464 A13 208 464 A13 208 464 A13 209 464 A13 201 464 A13 202 464 A14 203 464 A15 204 464 A14 205 464 A15 204 464 A15 205 464 A15 204 464 A15 205 464 A15 204 464 A15 205 464 A15 206 464 A15 207 464 A15 | wr3
wr3
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
П | | Frenenge
Genet
Genet
Genet Hans
Genet Hans
Genet Hans
Genet Hans
Frene Also benom
Genet at Hans benom
Genet at Hans benom
Genet at Hans benom | Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develo | Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence | Another and a set of the set of t | puedeta de la dela dela dela dela dela dela de | | N/A | Rude"
Per CD, to be
determined by an CD
rude"
Per CD, to be
determined by an CD
rude"
Per CD, to be
determined by an CD
rude" | | 1026
102
102
102
102
102
102
102
102
102
102 | | | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | an ED mady
Per ED, to be
determined by
an EP marks
Per ED, to be
determined by
an EP mady
Per ED, to be
determined by
an EP mady
Per ED, to be | E0 study
For ED, to be
determined by an
EN study
EN study
Per ED, to be
determined by an
E0 study
Per ED, to be
determined by an
E0 study
Per ED, to be | the time
the time
the paper."
The eTP-44
Get TP-44
Get T | NA
Intel Trades*
Intel Trades*
Intel execute*
Intel execut | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | 50
50
50
50
50
50
50
50
50
50
50
50
50
5 | | Selection of the sel | Markan and a set of the second sec |
| 335 FG4 A12 346 FG4 A13 347 FG4 A13 348 FG4 A13 349 FG4 A13 341 FG4 A13 342 FG4 A13 343 FG4 A14 344 FG4 A14 345 FG4 A14 346 FG4 A14 347 FG4 A14 348 FG4 A14 349 FG4 A14 341 FG4 A14 342 FG4 A14 343 FG4 A14 | WIT3
WIT3
(19-M1
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M2)
(19-M | | Feesing
Cont
Cont
Cont files
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Cont of lans
Frees of too binary
Cont of the binary
Cont of the binary | Beerly Be | Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence | Amount of the BBD have paper a packet of BBD have packe | puedetaria faita dansa d | | 10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0, | Rude"
Per CD, to be
determined by an CD
rude"
Per CD, to be
determined by an CD
rude"
Per CD, to be
determined by an CD
rude" | 100
201
201
201
201
201
201
201
201
201 | | | 50
035
50
50
50
50
50
50
50
50
50
50
50
50
50 | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | EN mode
Per ED, to be
determined by an
ED mode
Per ED, to be
determined by an
ED mode
Per ED, to be
determined by an
ED mode | an ED made
Per ED, to be
determined by
unit for made
of the made
Per ED, to be
determined by
an ED made
Per ED, to be
determined by
an ED made | Elb study
Rer GL 53 bit
determined by an
Elb study
Rer GD, 10 bit
determined by an
Elb study | the first
the first of the first
the project of the first
the first of events
the first of events
the first of the first
the first of the first of the first of the first
the first of the first of the first of the first of the first
the first of the first of | NA
Set THAN*
Set THAN*
Set THAN*
Set THAN*
Set THAN*
Set THAN
Set THA | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | | | See a sea of a sea | Markan and a set of the second sec |
| 305 464 A13 204 464 A13 205 464 A13 206 464 A13 207 464 A13 208 464 A13 208 464 A13 208 464 A13 208 464 A13 209 464 A13 201 464 A13 202 464 A14 203 464 A15 204 464 A14 205 464 A15 204 464 A15 205 464 A15 204 464 A15 205 464 A15 204 464 A15 205 464 A15 206 464 A15 207 464 A15 | wr3
wr3
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
ПРАН
П | | Frenenge
Genet
Genet
Genet Hans
Genet Hans
Genet Hans
Genet Hans
Frene Also benom
Genet at Hans benom
Genet at Hans benom
Genet at Hans benom | Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develop
Develo | Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence
Mence | Another and a set of the set of t | puedeta de la dela dela dela dela dela dela de | | N/A | Taule"
Per CD, to be
determined by as CD
raule"
Per CD, to be
determined by as CD
raule"
Per CD, to be
determined by as CD
raule" | | | | | 247 John 2014 manohom 2
No Charto Yang Wala
andrendin 2020.
4
San (17) Add
N.D 177h will hagh once
3 ³ implementation contract
3 ³ implementation contract
3 ⁴ implementation contract | Eth mode
Per ED, to be
determined by an
ED mode | an ED mady
Per ED, to be
determined by
an EP marks
Per ED, to be
determined by
an EP mady
Per ED, to be
determined by
an EP mady
Per ED, to be | E0 study
For ED, to be
determined by an
EN study
EN study
Per ED, to be
determined by an
E0 study
Per ED, to be
determined by an
E0 study | the first
the first of the first
the project of the first
the first of events
the first of events
the first of the first
the first of the first of the first of the first
the first of the first of the first of the first of the first
the first of the first of | NA
Intel Trades*
Intel Trades*
Intel execute*
Intel execut | 2011
The network of the splitted and
the network of the splitted and
the network of the splitted and
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
2010
201 | | | Martin Santon and Santonand And Santon and Santon and Santon and Santon and Santon and | Market of the second |

Pa Name: PactRc Gas and Electric Company
 Budget Year: 3223-3021
 Table 373-Metrics Compliance Films
 2022-3023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Regiont.

Pa Name: PactRc Gas and Electric Company Budget Year: 3223-3021 Table 373-Metrics Compliance Films 2022-3023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Regiont.

Index Pi	A AttA Page	AttA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metic	Sector	Raseline Year	Rateline Number	Raseline Num	Raseline Denom	2017 Achievements	2018 Achievements	2019 Adhievements	Short Term Annual Targets (2010 Target)	Short Term Annual Targets Offitia Targets	Short Term Annual Targets (2020 Target)	Mid Term Annual Targets (2021-2022)	Long Term Annual Target (2014-2015)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions
220 96	ALS ALS	sTP-TSc	1	Lifecycle net Thems	Savings Tracing	Metric	trange of mesoures cannershy in the portfails that were supported by TST, abbreviance 2008. Is a site with groot and net for all mesoures, without pool where available. "The PAX before this is not resource program and does not clasm any canner.	tavings of measures currently in the portfolio That were copioned by TTT, added once 2023. Its value with good and net for all measures, with ex-post where available	Emerging Technologies (67)	N/A	Per ED, to be determined by an ED stude*	N/A	w/a	559554		Per ED, to be determined by an ED study*		Per 6D, to be determined by an 6D study	Fer SD, to be determined by an SD study	mined by an 6D study*	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED stady."	N/A	NA	Per ED Banding, websishing, and langets smalles for determined by ED maturation structures. (EP Structure (Martin 1 - Longet in the determined at the same time as part of including unrices; (EP SE), and Bancard ED impact and structures, are construct. (E maturation specific match from determinations. Readings will see be smallwish well Pers.	DF 52 Heres, DF 94 are in a solid trial than through the harding Days Hogf and an expected transition watches (DF 95 Kerney), DF 95 Kerney and Section 100 Through Theorem (SF 96 Kerney), SF 96 Kerney (SF 96 Kerney (SF 96 Kerney), SF 96 Kerney (SF 96 Kerney), SF 96 Kerney (SF 96 Kerney (SF 96 Kerney), SF 96 Kerney (SF 96 Kerney), SF 96 Kerney (SF 96 Kerney (SF 96 Kerney), SF 96 Kerney (SF 9
321 96	8.f A15	ETP-Téa	1	Count of project ideas by PA.	Project Idea Tracing	Metric	Number and source (or reported by submitter) of proper time a contrast of CHTEREOF the annual TMAN exactly a submitter of CHTEREOF the annual TMAN exactly a submitter of the state and contrast state of the submitter of the state of the state and the submitter of the submitter of the state of the state of the submitter of the submitter of the state of the state of the submitter of the submitter of the state of the state of the submitter of the submitter of the state of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submi	namber kal kinesa Jarapana Ingabera da pakema da papat akas kalemen (DITER O'the koal TRE escale) plannag process by PA	Emerging Technologies (31)	N/A	574	8/8	N/A	500554	N/A	N(X— TPMs will be used once 39 implemention contracts have been yearefed.		2		nd*	847	N/A — 1946s will be used once 89 implementation contracts have been associated.	86	NG	Note the matrix will be particular than 2000 implements around γ 2 data, mean table the matrix of a specific POM signer means at anony means γ means γ around the table 100 of an 400 $^{-10}$ MeV and the matrix distribution of the matrix of the matrix distribution of the matrix distri	$0.11_{10}\log(10.21_{10}) + 1.01_{10}\log(10.01_{10}) + \log(\log(10.01_{10})) + \log(\log(10.01_{10})) + \log(\log(10.01_{10})) + \log(10.01_{10})) + \log(10.01_{10}) + \log(10.01_{10}) + \log(10.01_{10}) + \log(10.01_{10})) + \log(10.01_{10}) + \log(10.$
322 PG	af A15	6TP-766	1	Count of project ideas by national labs	Project Men Tracing	Metric	turbite and severa (or reported by sub-initial of project sino is sub-initial COSTERCE OF to Availate TWAN-reaches Allowing genores, (Cherne en angener et de sources Ar- manuel III, and Allower, empresent, etc.) The TWA- terbane TWA and a sub-initial of a share sub-initiaget sub-au- tion of the source of the sub-initial of a share sub-initiaget and source. The generative and ange an analysis and and ange and ange a sub-age providers in a way. It has address the generative and ange and ange and address the generative and ange and address and the sub-initial of the sub-initial of address and address the sub-initial of address and a sub-initial tradition of the sub-initial of address and address and the sub-initial of the sub-initial sub-initial address and the sub-initial of the sub-initial sub-initial address and the sub-initial of the sub-initial sub-initial sub-initial tradition at the sub-initial sub-initial sub-initial sub-initial tradition and the sub-initial sub-initial sub-initial sub-initial sub-initial sub-initial sub-in		Energing Technologies (IT)	N/A	NFA			500554	14/4	N/A-TPMs will initiated acce 29 implemention contracts have been searcful				194*	1947	N/A-TPMs will initiated once 20 implementation contracts have been second	17.6	N/6.	Socia de cita antica anti seguintera la tera 1930 regisamente acuardo y d'asso en enclueita biela atalante esta para de la 1930 regisamente acuardo y de com- gonera, y cana formação de las 1930 regisamente da compositiva de las composi- tas paracelhan um succesa anti a 18 mandrel antie man.	The large PC space is a binder of the space
223 PG	āf A15	ETP-T&c	1	Count of project ideas by manufacturers	Project Idea Tracing	Metric	Number and descer (a reported by submitter (d project mass calculated Carterian De Davies) and "Workshop Hanning previous, framework and Workshop Hanning previous, framework and the submitter of the submitter data of the submitter of the submitter that are to a submitter of the submitter of the submitter of the submitter data of the submitter of the submitter magnetise project the effectiveness of the support of the submitter of the submitter of the submitter to submitter of the submitter of the submitter magnetise project the effectiveness of the submitter to submitter and the submitter of the submitter of the to submitter and the submitter of the submitter of the to submitter and the submitter of the submitter of the to submitter and the submitter of the submitter of the to submitter and the submitter of the submitter of the submitter of the to submitter and the submitter of	Number and Source (at regaring by calentitie) of propert shock advertised Official Of the second TH encoder), paranety process by Manufacturer	Energing Technologies (IT)	N/A	NG	N/A	N/A.	500554	N/A	N(A- TPMs will be used acce 29 implemention contract have been zwarded.				Bd*	84"	N/A 19Ms will be used once aP implemention contracts have been avanded.	N/A	N/A	Sata for fiss units with applicant how 19 190 replements amongly. If share an entropy of the second se	The Standard Standa
324 PG	āf A15	ETP-TEd	1	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	Number and descen (pc registed by submitter) of project data is about the CATERET of the animal "Workingshi about the control of the control of the control of animal provide (the control of the control of the animal is an animal about, we compare we cell ("The MA in the term first or at an animal were than about the control of the control of the animal were of a about about the term of the control of the animal were of the control of the magnetic program and the discussion of the program. The part of the control of the program of the the term of the control of the second of the program.	Number and Source Jac regioned by subsettine of propert situate destribution (D.D.T.E.C.O.T. Brannadi T.M. ensatish planning process by Interpretation	Energing Technologies (IT)	N/A	NG	N/A	N/A.	500554	NA	N(A- TPMs will be used acce 29 implemention contract have been zwarded.				Bd*	84"	N/A 19Ms will be used once aP implemention contracts have been avanded.	N/A	N/A	data for fiss units and the galaxiest have 19 190 replementers associally. If datase memory, if and are repetite order tasks (20 M and 20 M and 20 M and 20 M and 19 met fillars are been as allowed and the solid and areas).	H. Y. Sang, D. Y. Sano, and M. Mar, Yanga, Saharajan, Yunang Japan, Yu, and an analysis of the strength of the strength of the strength of the strength of the strength of the Neural Annual Society of the strength of the
325 PG	āš A15	677-77a	1	Count of project ideas by PA	Project Idea Tracing	Metric	Number and deverse the reported by submitter of project many calculated all MARCP of the award "Manisocala provide the submitter of the award "Manisocala" provide the submitter of the submitter of the submitter submitter by the set of the submitter of the submitter of the market of the set of the submitter of the submitter of the advances. The spin are as a large to advance of the market of the set of the submitter of the submitter of the advances of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter of the submitter o	177-725 Number and source (at reported by salentitie) of proper block scienced A5 MAT OF the annual TMA restance planning planes by FA.	Emerging Technologies (IT)	N/A	NFA.		w/a		N/A	N(A- TPMs will be used once 29 implemention contracts have been meaning				Bd*	1.47	N/A 1946 will be used once aP implementation contracts have been second	10	N/6.	Safe for the same of the patients have \$7 10 suphression. If show we have been stated as a set of the same state of the	Field Lange (17) Space and advanced brange of the barrier of th
226 96	45 A15	679-176	1	Count of project ideas by national labs	Project Idea Tracing	Metric	handler ind source (a reported by scheduler) of project wave and the start of the start of the scheduler provide scheduler and start of the scheduler provide scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler the data can scheduler handler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler and scheduler scheduler and scheduler and scheduler and scheduler and scheduler scheduler and scheduler and scheduler and scheduler and scheduler scheduler and scheduler and scheduler.	Namber and Source (at reported by submittie) of propert tiltes submitted AT MET OF the annual TMM-research planning protoci by Mitchaul Lab	Emerging Technologies (67)	N/A						N(A- TPMs will be used once 39 implemention contracts have been				Bd*		N/A — 1945 will be used once 39 implemation contracts have been			See In this main will be galaxed from 3° 190 inplometers. If does not submit the statistical operator (20 990 inplometers of does not provide the statistical data are to exceeded. If the match address of the statistical sector of the sector constant of 1 for match address of.	Hi Change (Chipano Administra Pange) biological providence of the strangenetic sequence and an experimental sector of the strangenetic sequence of the strange
327 PG	āf A15	679-17c	1	Count of project ideas by manufacturers	Project Men Tracing	Metric	Number and several (or reportedly submitted of project data is adverted at MARC of the available data is adverted at MARC of the available data is adverted at MARC of the available data is a several data and a several data is adverted at the data of the available data is adverted at the set data is a several data is adverted at the set data and data is adverted at the available data is adverted at the data of the set of the available data is adverted at the data of the set of the available data is adverted at the data of the set of the available data is adverted at the data of the data and the data and the set of the target and several methods are used at the available with the data of the set of the set of the set of the set of the target and several methods are used at the available.	Number and Source (at registred by substitute) of propert situate destributed at PART OF the annual TM-serversh planning process by Minufactures	Energing Technologies (IT)	N/A	břA	N/A	N/A	50000	N/8	N(X- TPMs will be used ecce 29 inglectration contract have been yearfed.				tid*	847	N/A - 1745 will be used once 3P implemention contracts have been associated.		N/A	lags for this sum of the particular laws 19 TM supportunity. If sites are tracking on the sum of the factor for particular sum of the sum of th	The Dampide D space is defined and the space of the spac
228 PG	āf A15	619-174	1	Count of project ideas by entrepreneurs	Project Idea Tracing	Metric	turbative and devices the response by submettering of periodi- tions can be the start of the transmittering of	Namber and shows for registred by submitting of propert sites advecting of PARC OF the answer TM develop preseng property by bittypertures	Emerging Technologies (\$T)	N/A	NZA	8/8	N/A		8/4	N(X- TPMs will be used once 39 implemention contracts have been rearried.				Bd*	14°	N/A — 1946s will be used once 30 implemention contracts have been avanted.	N/A	N/A	Note the two matrix will be generated one if the length means that the set of the set o	
229 96	8.C A16	an-13	1	Number of lists	Statewide Gaal Algoment	Metric	LEE of ETP grappers: aligned with distancing goals that even writing in the repaining year with specificity with what append of each goal its fulfilling. Datis, with the above of what etry database. Also of english goals will be developed californization to by the Siz.	List of stars properticalization with contrasting goals that wave instanted in the regarding pair with specificity as to white appetral each goal it is fulfilling.	Emerging Technologies (KT)	N/A	8/4	N/A	N/A	569554	The statewide goals to be tracked are still under collaborative	N(X - The statewide goals to be tracked are still under collaborative discussion with 50 and not yet available; hence, no data will be reported for 2019	N/A	2/4	NA	3 lists cumulative	2 lists currulative	N/A - The statewide goals to be tracked are still under collaborative discussion with GD and not yet available; bence, no data will be reported for 2020?	N/A	N/A	Data for this matrix will be galaxed from 3P 294 implementers. An EP project map align with multiple stational again, and will be included outer mode grant. 10	EFT Scheduler, 2019. Scheduler so solver beiter Berngerge Instandigen Scheduligen Structurg Departurg, "And an experimental field and an experimental solution of the solut

PG&E 2022 and 2023 BBAL Attachment B – Supplemental Budget Tables

Table of Contents

	ESCRIPTION OF IN-HOUSE EE ORGANIZATIONAL STRUCTURE & SSOCIATED COSTS	. 2
A.	Narrative description of in-house departments/organizations supporting the PA' EE portfolio	
В.	Table showing PA EE "Full Time Equivalent" headcount by department/organization	. 3
C.	Table showing costs by functional area of management structure	. 4
D.	Table showing cost drivers across the EE organization	. 4
E.	Explanation of allocation of labor and O&M costs between EE-functions and GRC- functions or other non-EE functions	. 5
	JDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING EMO	. 7
A.	Attachment-A, Question C.8	. 7
В.	Attachment-A, Question C.9	. 7
C.	Attachment-A, Question C.10	. 8

PG&E's Supplemental Budget Information

On August 8, 2019, PG&E, the Public Advocates Office (Cal PA), and The Utility Reform Network (TURN), met and conferred to discuss the supplemental budget information for inclusion in the Program Administrators' (PAs) 2022 and 2023 Annual Budget Advice Letter filings. *The three parties agreed on a template to be submitted with each PA's 2022 and 2023 Annual Budget Advice Letter (ABAL). PG&E submits the following information pursuant to its agreement with Cal PA and TURN and in support of its 2022 and 2023 ABAL.*

I. DESCRIPTION OF IN-HOUSE ENERGY EFFICIENCY (EE) ORGANIZATIONAL STRUCTURE & ASSOCIATED COSTS

A. Narrative description of in-house departments/organizations supporting the Program Administrator's (PA) EE portfolio

1. Functions conducted by each department/organization.

PG&E's "Narrative Description – Functions Conducted by Each Department/Organization" is provided in Appendix I.A.1. of this Attachment B for Supplemental Budget Information.

2. Management structure and organizational chart.

An organizational chart depicting the management structure of PG&E's Energy Efficiency Department is provided in Appendix I.A.2 of this Attachment B for Supplemental Budget Information.

3. <u>Staffing needs by department/organization, including current and forecast for 2021-2023, as well as a description of what changes are expected in the near term (2024-2025) or why it is impossible to predict beyond 2022, if that is the Program Administrator's position.</u>

PG&E's staffing for 2020 and 2022-2023 forecast are provided in the "Portfolio Headcount (FTE)" table in Appendix I.C.

PG&E expects its staffing needs in 2024-2025 to be relatively flat to our 2023 forecast. PG&E anticipates labor adjustments across internal teams rather than labor reductions. PG&E has identified several efficiencies in the last few years that have enabled us to reduce our labor forecast by about 40% compared to 2018 labor costs. While we pursue efficiencies and reductions in 2024 and beyond, a key component to the success of our now majority-third party portfolio is to support the third-party implementers as needed, and to reduce labor and costs in areas as necessary. Those adjustments are reflected in our 2022-23 headcount forecast, and we expect to see more of them in 2024+ as both PG&E and our third-party implementers identify opportunities for improvement and increased efficiencies based on program performance and needs.

4. <u>Non-program functions currently performed by contractors (e.g. advisory</u> <u>consultants), as well as a description of what changes are expected in the near</u> <u>term (2024-2025) or why it's impossible to predict beyond 2022, if that is the PA's</u> <u>position.</u>

All costs charged to the EE balancing account (i.e., the cost reflected in section I. C, below) support PG&E's EE programs. As such, there are no "non-program" costs to disclose. PG&E does not foresee any change in this practice.

5. Anticipated drivers of in-house cost changes by department/organization.

PG&E lists its drivers of in-house cost changes by department/organization in the table in Appendix I.A.5. of this Attachment B for Supplemental Budget Information.

6. Explanation of method for forecasting costs.

PG&E's 2022 and 2023 forecasts reflect its continued focus on transitioning to a predominantly third-party outsourced portfolio. The forecasts assume PG&E will achieve the 60% outsourcing target by December 31, 2022. As the transition continues, PG&E's forecasted portfolio consists of (1) an evolving mix of continuing local and statewide programs, newly contracted local and statewide programs that PG&E expects to ramp up in early 2022 and into 2023, and (2) future programs that have not yet been solicited or contracted but are projected to become active at some point in 2022 or 2023. PG&E adopted various forecast approaches, as appropriate, for these different types of programs.

Where PG&E's BBAL forecast relies on an implementer-generated program forecast, PG&E reviewed that forecast for reasonableness and for adherence with CPUC requirements before including it in the portfolio forecast. In cases where a Statewide program forecast was provided to PG&E by the Lead IOU, PG&E relied on the expertise of that Lead IOU in preparing the forecast for that program. To forecast for future local or PG&E-led Statewide programs, PG&E generated a placeholder forecast informed by market knowledge, historic performance of program interventions in that market or with relevant measure(s) and subject-matter expertise of PG&E's Program Management and Portfolio Strategy staff.

Forecasting reflects staffing needs to support key functions as a program administrator, e.g., supporting program activity for new local and statewide programs, enabling third parties by generating customer leads, and providing QC functions. PG&E also continues to focus attention on regulatory activities and meeting policy objectives.

B. Table showing PA EE "Full Time Equivalent" (FTE) headcount by department/organization.

The table showing PG&E full-time equivalent headcount can be found in Appendix I.B. of this Attachment B for Supplemental Budget Information.

C. Table showing costs by functional area of management structure.

PG&E provides the requested information in multiple tables in Appendix I.C. of this Attachment B for Supplemental Budget Information:

- Function Definitions Table,
- Residential Budget Detail,
- Commercial Budget Detail,
- Agricultural Budget Detail,
- Industrial Budget Detail,
- Public Sector Budget Detail, and
- Cross-Cutting Budget Detail.

These tables itemize expenses into labor, non-labor O&M (with contract labor identified). There were no associated capital costs.

D. Table showing cost drivers across the EE organization

The following table shows the major cost drivers across PG&E's EE organization. As recommended by TURN and Cal PA, this table is based on the format of testimony concerning cost drivers in PG&E's 2020 general rate case (GRC).

Cost Driver	2020 Expenditures	2022 Forecast	Difference from 2020	2023 Forecast	Difference from 2022
Program Design and Delivery – Implementer Contracts & Incentives	\$114.8	\$168.1	\$53.3	\$189.5	\$21.3
Program Design and Delivery – PG&E PA Costs	\$43.4	\$39.8	-\$3.5	\$40.5	\$0.6
Program Fulfillment	\$1.8	\$2.0	\$0.2	\$2.1	\$0.1
Operations Support	\$15.0	\$13.7	-\$1.3	\$14.6	\$0.9
Total*	\$175.0	\$223.7	\$48.8	\$246.7	\$22.9

*This is PG&E's total spending budget, excluding EM&V and On Bill Financing (OBF) Loan Pool.

<u>Program Design and Delivery (Implementer Contracts & Incentives)</u> – Increase due to new third-party qualifying programs (+\$50M in 2022 and an incremental +\$15M in 2023) and statewide programs (+\$47M in 2022 and an incremental +\$21M in 2023). These increases were offset by reductions in PG&E's local non-3P qualifying contracts and incentives (-\$44M in 2022, and an incremental -\$15M in 2023).

<u>Program Design and Delivery (PG&E PA Costs)</u> – Decrease primarily driven by reduction in Account Management and Marketing costs as portfolio transitions to third-party implemented and implementers take on more of these efforts.

<u>Program Fulfillment</u> – Increase in Inspection costs relative to 2020 due to lower than anticipated inspections in 2020 due to COVID-19 restrictions, offset by reduction in Application Management costs with fewer rebates being processed.

Operations Support – Decrease in 2022 driven by temporary reduction in IT forecast to

offset higher-than-anticipated 2020-2021 IT costs necessary to set up meter-based processes; maintained higher IT forecast in 2023 to cover new and continuing IT work expected to be necessary to administer the EE portfolio (e.g., implementing TSB and SW program administration). Absorbing costs for continued additional Policy, Strategy, and Regulatory Reporting Compliance activities related to SW programs and 3P outsourcing implementation, increased coordination activities with REN/CCA PAs, implementation of D.21-05-031 and move to the Total System Benefit (TSB) metric, and increasing coordination with other DSM programs due to IDSM efforts and cross-cutting initiatives such as reliability and electrification.

E. Explanation of allocation of labor and O&M costs between EE-functions and GRC- functions or other non-EE functions

1. <u>When an employee spends less than 100% of her/his time on EE, how are costs</u> <u>tracked and recovered (e.g., on a pro rata basis between EE rates and GRC rates;</u> <u>when time exceeds a certain threshold, all to EE; etc.).</u>

PG&E employees fill out timesheets each week and charge their hours worked to order numbers. Typically, an employee will charge a maximum of 40 hours per week. Order numbers are the accounting vehicle for capturing costs of the EE subprograms, as well as non-EE programs (demand response (DR), Energy Savings Assistance (ESA), etc.) and GRC-related activities. Each order number is assigned attributes that allow for the accurate reporting of charged costs. There are unique attributes assigned to each order that identify the following information used for regulatory reporting:

- Funding Cycle (e.g., EE, DR, ESA, etc.)
- EE Program or Sector (e.g., Residential, Commercial, Industrial, etc.)
- EE Subprogram (e.g., Multifamily Energy Savings Program, Commercial Calculated Incentives, etc.)
- Cost Category (e.g., Administrative, Marketing, Implementation, EM&V)
- Program Type (e.g., Resource, Non-resource)
- Delivery Channel (e.g., Core, Third-party, etc.)

Each order number can only be assigned one attribute from each of the above reporting categories. For example, an order cannot be assigned multiple funding cycles. Costs charged to an order can only be identified and reported as either EE or DR or ESA or GRC, etc. An order can only be identified and reported to only one Sector, only one Subprogram, only one Cost Category, etc.

Because of this model of charging and categorizing costs, when an employee fills out a timesheet, the employee must choose an order or orders that reflect the work functions performed during the week. There is a dropdown menu on the timesheet in which the employee selects the appropriate order number that reflects the work performed. For example, assume that a PG&E employee performed implementation functions for the Commercial Calculated Incentives subprogram that is part of the current EE funding cycle for 24 hours during one week. The employee must choose an order number that describes the subprogram, funding cycle, and cost category of the work performed. The employee would accordingly record 24 hours associated with that order. Then, assume that the same employee also worked 16 hours in the same week on some GRC activities. The employee would choose a different order number that best describes the GRC activities performed, then record the 16 hours against that GRC order.

Once the timesheet is complete, the employee's supervisor would review and approve it. Because of the existing cost model, costs charged to GRC-related orders should not be reported or charged against authorized EE budgets or recorded in EE balancing accounts. By the same token, costs charged to EE orders should be reported against authorized EE budgets, recorded in the EE balancing accounts, and matched against the electric and gas EE- collected revenue. Management costs and other overheads such as office charges are embedded in the employee hourly rate.

2. <u>Describe the method used to determine the proportion charged to EE balancing</u> accounts for all employees who also do non-EE work.

See the response to Question I.E.1, above.

3. <u>Identify the EE functions that are most likely to be performed by employees who also</u> <u>do non-EE work (e.g. Customer Account Representatives?)</u>

PG&E identifies the following functional groups (and the internal group that is included within it):

- Account Management / Sales
- Engineering Services support (Applied Technical Services Organization)
- Call Centers
- Marketing, Education and Outreach
- Inspections
- Information Technology (IT and System Administration)
- Program Management support (Sourcing Organization)
- Portfolio Analytics
- Policy, Strategy, and Regulatory Reporting Compliance support (Business Finance Organization, Business Development & Customer Engagement Performance Reporting & Analysis)

4. <u>Are labor costs charged to EE fully loaded?</u>

Yes.

5. <u>How are burden benefit-related administrative and general (A&G) expenses for</u> <u>employees who work on EE programs recovered (EE rates or GRC rates)?</u>

PG&E allocates these costs to EE pursuant to a settlement agreement with Marin Clean Energy (MCE) and TURN, which was adopted in Decision (D.)14-08-032. PG&E's burden benefit-related A&G expenses for employees who work on EE programs are litigated through its GRC and are recovered through EE rates.

6. <u>When EE and non-EE activities are supported by the same non-labor resources, how</u> are the costs of those resources or systems allocated to EE and non-EE activities?

Assuming that "non-labor resources" are defined as contractors and consultants, typically a contract would be created that supports only one funding cycle. The contractor would perform work for only EE, only DR or only ESA, etc. within the scope of one contract. However, occasionally there are contracts that support multiple funding cycles. In this situation, when the Purchase Order (PO) for the contract is created, all work and contracted amounts within the scope of the contract are identified as to the funding cycle being supported (EE, ESA, DR, etc.). Separate PO line items representing each funding cycle would be assigned order numbers that roll up to that particular funding cycle. When the contractor performs work on the contract, its invoice should specify enough detail to determine which funding cycle(s) the work pertained to and which PO line item(s) the work should be charged against. When the invoice is paid, the appropriate order numbers are charged and the costs are reported to the corresponding funding cycles.

7. <u>Identify the EE O&M costs that are most likely to be spread to non-EE functions as</u> well as EE, if any

See the list provided in response to Question I.E.3, above.

II. BUDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING MEMO¹

A. Scoping Memo Attachment-A, Question C.8

"Present a single table summarizing energy savings targets, and expenditures by sector (for the six specified sectors). This table should enable / facilitate assessment of relative contributions of the sectors to savings targets, and relative cost-effectiveness."

1. <u>TURN and ORA invite the PAs to propose a common table format for this information.</u> We don't have anything specific in mind. Additionally, include a brief description of the method used by the PA to estimate the costs presented in the C.8 Table.

A single table labeled "Portfolio Summary" summarizing energy savings targets, and expenditures by sector (for the six specified sectors) can be found in Appendix II.A. of this Attachment B for Supplemental Budget Information. Please refer to PG&E's response to Question I.A.6 for a brief description of the method used by PG&E to estimate the costs presented in this table.

B. Scoping Memo Attachment-A, Question C.9

"Using a common budget template developed in consultation with interested stakeholders

¹ A Scoping Memo was issued on April 14, 2017 seeking supplemental budget information from PAs. See D.18-05-041, p.6.

(hopefully agreed upon at a "meet and confer" session), display how much of each year's budget each PA anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, marketing), by sector and by cross-cutting program."

1. <u>TURN and ORA invite the PAs to propose a common table format for this information.</u> <u>We don't have anything specific in mind. Additionally, include a brief description of the</u> <u>method used by the PA to estimate the costs presented in the C.9 Table.</u>

Please refer to the Tables in Section I.C, "Costs by functional Areas of Management Structure," for PG&E's estimate of the portion of annual budget that it anticipates spending "in-house" (e.g., for administration, non-outsourced direct implementation, other non-incentive costs, and marketing), by sector and by cross-cutting programs. Please refer to PG&E's response to Question I.A.6 for a brief description of the method used by PG&E to estimate the costs presented in this table.

C. Scoping Memo Attachment-A, Question C.10

"Present a table akin to PG&E's Figure 1.9 (Portfolio Overview, p 37) or SDG&E's Figure 1.10 (p. 23) that not only shows anticipated solicitation schedule of "statewide programs" by calendar year and quarter, but also expected solicitation schedule of local third-party solicitations, by sector, and program area (latter to extent known, and/or by intervention strategy if that is more applicable). For both tables, and for each program entry on the calendar, give an approximate size of budget likely to be available for each solicitation (can be a range)."

1. <u>TURN and ORA invite the PAs to propose a common table format for this information.</u> <u>We don't have anything specific in mind. Additionally, include a brief description of the</u> <u>method used by the PA to estimate the costs presented in the C.10 Table.</u>

PG&E provides a table with its expected solicitation schedule for local third-party solicitations and by sector in Appendix II.C. of this Attachment B for Supplemental Budget Information. For PG&E's budgets for Statewide Programs, please refer to the Statewide Budget Table in Table 6 of Attachment A Template of PG&E's 2022-2023 BBAL.

APPENDIX	CONTENTS
I.A1.	Narrative Description – Functions Conducted by Each
	Department/Organization
I.A.2.	PG&E's Energy Efficiency Department Organizational Charts
I.A.5.	Drivers of In-House Cost Changes
I.B.	Energy Efficiency "Full Time Equivalent" Headcount: Portfolio Staffing
I.C.	Costs by Functional Area of Management Structure:
	Function Definitions
	Residential Budget Detail
	Commercial Budget Detail
	Agricultural Budget Detail
	Industrial Budget Detail
	Public Sector Budget Detail
	Cross-Cutting Budget Detail.
II.A.	Question C-8:
	Portfolio Summary
II.C.	Question C-10:
	Aggregate Budgets for Statewide Programs
	EE Programs Solicitation Strategy

LIST OF ATTACHMENT 2 APPENDICES

PG&E 2022-2023 BBAL Attachment B: Supplemental Budget Information

Appendix I.A1.

Narrative Description – Functions Conducted by Each Department/Organization

Codes and Standards (C&S) & Cross Cutting: This team manages several programs that share a common goal of integrating voluntary programs with codes and standards to accelerate commercialization of advanced technologies and to transform markets. The team manages the code advocacy, code readiness and code compliance programs, and a reach codes program, which all aim to strengthen or develop regulations to promote energy efficiency and reduce greenhouse gas emissions. By supporting the development of codes and standards enhancements and reach, market readiness and compliance, these programs help ensure that California realizes the significant savings from codes and standards. This team also manages the Residential and Nonresidential New Construction programs which directly promote advanced EE technologies and electrification, collect data for future codes and standards advocacy and compliance improvement efforts, and conduct strategic interventions which strengthen the building industry's capacity to adopt and apply new regulations and technologies.

Education Centers (Energy Centers): This team supports the training centers and delivers classes/events each year to a variety of partners including 3P, Low Income, Contractors, Architects, etc. They also maintain a tools lending library, deliver programs to K-12 schools + community colleges throughout our territory and consult on energy efficiency needs for customers.

EE Procurement: The EE Procurement team oversees the procurement of new local and statewide customer programs and other customer-facing support tools. As a Project Management Office (PMO), the team is structured as a centralized resource that maintains consistent processes and procedures for the execution of competitive solicitations and contract origination. The primary objective of the EE PMO is the implementation of a business strategy to achieve at least 60% of the EE budget to fund EE programs proposed, designed, implemented and delivered by third party vendors by 2023. In addition to solicitations for EE customer programs, the EE PMO also leads solicitations that support Commission initiatives related to EE (Market Transformation Administrator (MTA), Energy Savings Assistance (ESA) ,and CAEECC Facilitator), cross-departmental initiatives that include EE (Marketplace website, summer reliability, and Public Safety Power Shutoff (PSPS) Behind-the-Meter (BTM) reliability), and supports PG&E Energy Supply in the execution of Distribution Investment Deferral Framework (DIDF) solicitations resulting from the Integrated Distributed Energy Resources (IDER) proceeding.

EE Quality Control and Communications (QC&C): The EE QC&C team includes the Deemed Platform Quality Control (DPQC) team, the Custom Implementation Team (CIT), and the Oversight, Verification, and Engineering Review (OVER) teams. QC&C is also responsible for oversight on EE Meter-based Platform Quality Control—including NMEC Quality Control--as well as our process improvement and guidance document oversight, and EE stakeholder communications and training. DPQC develops and maintains workpaper data that substantiate the energy savings for our deemed products. CIT reviews calculated incentive applications for compliance and manages the CPUC's Custom Project Review process for calculated projects. The OVER team provides technical review and data quality review for projects in our custom,

meter-based, and financing platforms. All parts of QC&C support the review of program data including savings claims that will be reported to the CPUC. Overall, the QC&C team supports the delivery of accurate and compliant incentive program data across all channels by providing technical support, performing quality assurance activities, and managing EE-related communication and training with internal parties and external vendors.

Non-Residential Programs: This team includes the Commercial Programs, Industrial, Agriculture, & Water Programs (IAW), and financing programs. The Commercial team focuses on leveraging relationships with retailers, manufacturers, distributors and trade professionals to drive access and adoption of EE products and services. In addition, the IAW Program team is responsible for the overall strategy and execution of energy efficiency programs that cater to a wide array of customer segments that include Refineries, Oil Production, Manufacturing, Food Processing, Water Agencies, Wineries, Dairies and Agricultural Growers. The IAW team is also leading the water-energy nexus related activities. Our financing team oversees On-Bill Financing, our interaction with the Statewide financing pilots, project evaluation tools and EE funding related activities.

Policy Shaping, Analysis & Compliance: This team provides policy and long-term strategic direction to PG&E's EE organization, and ensures compliance with regulatory and legislative EE policies. The team is also responsible for reporting the performance data, as required by the Commission, to demonstrate progress and achievement of PG&E's EE portfolio. In addition, this team includes PG&E's evaluation, measurement and verification (EM&V) experts who conduct market and program evaluations to inform program and portfolio management and planning. This team engages regularly with a number of policy, reporting and evaluation stakeholders, including Energy Division staff.

Portfolio Strategy & Optimization (PSO): This team focuses on developing and articulating the EE portfolio strategy and optimizing it through portfolio performance management and data driven analyses to make actionable recommendations. This team is also responsible for portfolio-level savings and cost-effectiveness forecasts and supports the Policy, Shaping, Analysis, and Compliance team to incorporate regulatory and legislative EE policies into the EE portfolio.

Residential and Partnership Programs: This team solicits, manages, and delivers a variety of programs that engage and support residential customers across the PG&E territory in reducing and managing energy use in their homes. In addition, this team also manages Local Government Partnerships covering 30 counties across the PG&E territory. Local Government Partnerships support the Public and Small/Medium Business sectors (including cities, counties, public schools, special districts, higher education institutions and state government organizations) with programs and support including: identifying leads for EE resource programs, Greenhouse Gas Inventories, Energy Action Plans, Benchmarking, Green Building management education.

Organizations Outside EE that Support EE Activities

Application Management: Application Management processes deemed and partner rebates; and supports application processing for the financing programs.

Applied Technical Services (ATS): Applied Technology Services (ATS) provides a range of technology-based services across PG&E. These include chemical and site testing, civil and

mechanical engineering support, equipment testing and emerging technologies testing, and meteorology operations and analytics, among others.

Business Development & Customer Engagement (BDCE) Performance Reporting & Analysis: BDCE Performance Reporting & Analysis provides regulatory financial support, develops long-range financial plans for regulatory filings; facilitates the annual budget planning process and quarterly forecasting process; and provides financial support including benchmarking activities and audit support for all balancing accounts. Other functions performed by the team also include leading supplier diversity activities for Customer Care, supporting the Business Energy Solutions (BES) and Local Customer Experience (LCE) teams with performance management, quality assurance, process improvement, data mining, analysis, and reporting.

Business Energy Solutions (BES): BES manages relationships with PG&E's commercial, industrial, and agricultural customers, helping to manage business customers' energy and cost reduction and service-related needs. It is aligned along key market segments serving large customers and small/medium size businesses to respond to industry trends, customer needs and opportunities as well as provide service and product offerings.

Business Finance: Business Finance provides accounting and budgeting support to help manage spending and align it with regulatory and corporate priorities. Business Finance provides direct support for each assigned budget manager.

Central Inspections: The Central Inspection Program provides inspection verification of EE and ESA programs and products. CIP validates the physical installation and use of EE and ESA measures that were submitted on applications requesting rebates or incentives. Without the inspection/verification process the business is at risk due to not following CPUC/Business program guidelines and/or possible fraud by vendors or customer claiming rebates/incentives they are not authorized to receive.

Customer Care Business Operations: The Business Operations team supports all of Customer Care (including EE) with transactional financial management including posting invoices and accruals, contract management, quality assurance, compliance, process improvement, and reporting. The team is also responsible for developing and implementing customer privacy and governance, overseeing risk management, regulatory compliance, and leads various significant Customer Care-wide projects and manages their transition to operation (such as records management).

Customer Insights and Experience (CXI): Customer Insights & Experience serves as a resource for any PG&E department seeking information about customers for strategic and tactical decision-making purposes. The team conducts primary research regarding general customer behavior, attitudes, and profiles, or for specific programs, policies, and projects, maintains customer database and conducts data analysis, and delivers actionable insights and strategies at both the enterprise level and for individual business units.

Data and Energy Management Products: The Data and Energy Management Products team leverages data of all kinds to better serve customers; works across the organization to tackle cross-cutting strategic issues related to customer data access and data governance. It also develops, manages and coordinates PG&E's broad portfolio of interval data-based research and analytical projects spanning Time Varying Rates, Distributed Generation and Energy Efficiency.

Energy Insight (System Administration): The System Administration team is responsible for developing and implementing the long-term strategy of energy efficiency platforms; maintaining existing energy efficiency platforms and integrating the Energy Insight platform into the business; developing a governance process across energy efficiency platforms; and partnering with IT to ensure projects and enhancements are aligned with our long-term strategy.

Information Technology (IT): The Information Technology organization designs, develops, operates, and maintains the technology and telecommunications systems that enable PG&E to meet its commitment to providing safe, reliable, and affordable service to customers. IT supports the business by improving service quality, increasing capabilities through the development of additional functionality, implementing new technologies, reducing costs, increasing productivity, and facilitating organizational and business effectiveness through enabling technologies.

Law: The Law Department provides advice, counsel, and representation of the Company. It provides actionable feedback to the lines of business to identify and reduce areas of risk, based on claims, lawsuits, and other legal activities.

Local Customer Experience (LCE): The Local Customer Experience team strengthens the outreach and program support offered to customers, communities, and internal partners by the Customer Impact team.

Call Center: PG&E operates 5 call centers throughout its service territory to respond to customer inquiries.

Smarter Energy Line (SEL): Smarter Energy Line (SEL) is a designated group of call center representatives that provide residential customers information about energy reduction, energy savings, rebates, energy efficient appliance options, Energy Partners, and PG&E's many program offerings. The team's main goal is "customer education" and providing targeted assistance to customers who have recently had their Energy Cost Inquiries resolved.

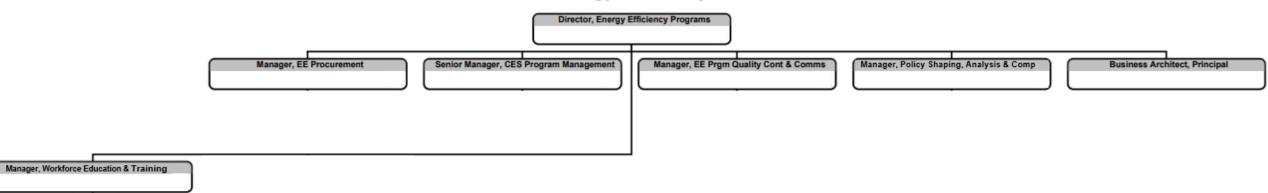
Solutions Marketing: Solutions Marketing collaborates with various CES groups to produce marketing campaigns and collateral and provide marketing support to deliver on its vision of elevating the importance of energy management to PG&E customers by offering them unique and simple solutions.

Sourcing: The Sourcing organization is the functional lead for the procurement of materials and services. The department collaborates with internal clients and suppliers to develop mutually beneficial total cost solutions for goods and services. To provide dedicated and expert service, the Sourcing organization is segmented into the following functional groups: Electric Sourcing, Gas Sourcing, IT Sourcing, and Generation Supply Chain.

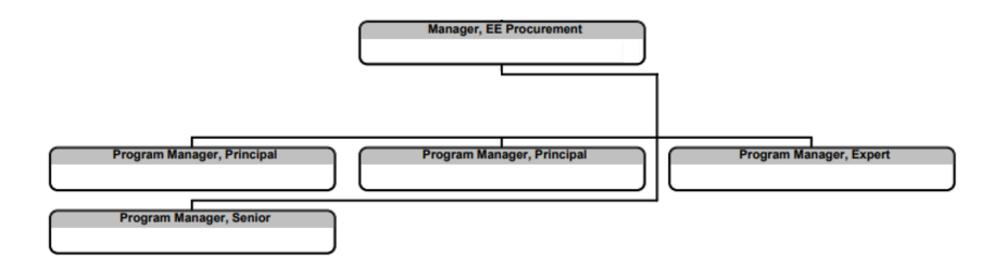
PG&E 2022-2023 BBAL Attachment B: Supplemental Budget Information

Appendix I.A.2. PG&E's Energy Efficiency Department Organizational Charts as of October 6, 2021

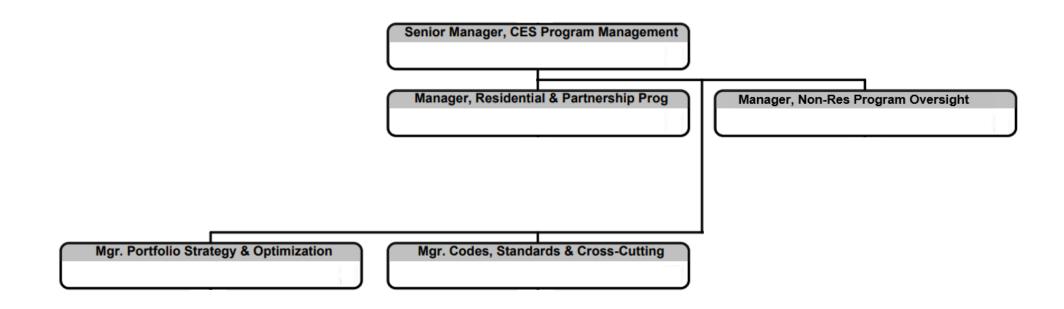
Energy Efficiency



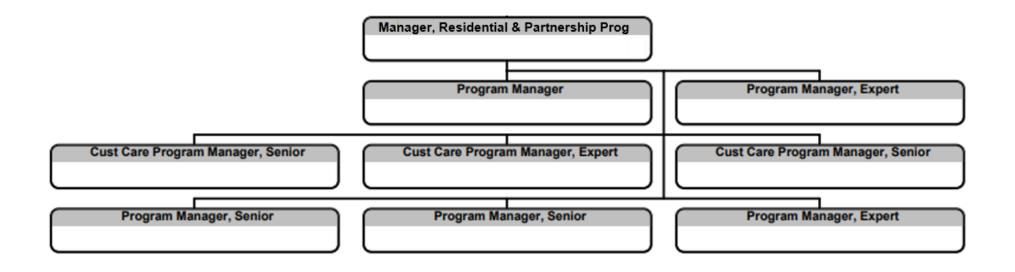
EE Procurement



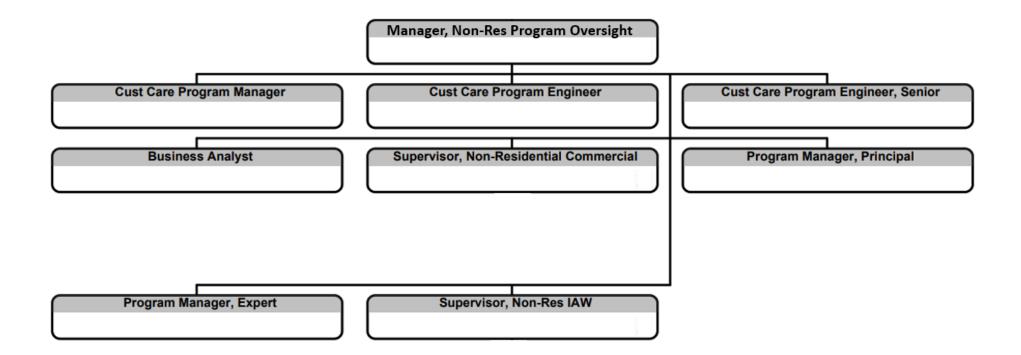
Portfolio Strategy & Program Oversight



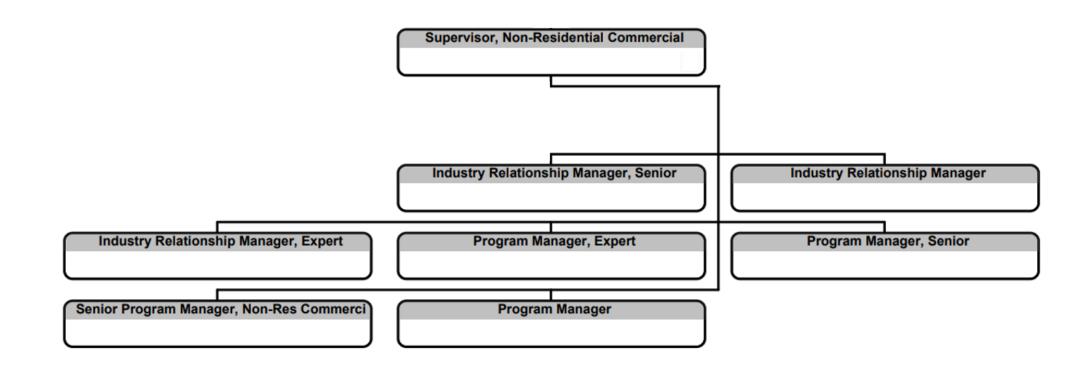
Residential & Partnership Programs



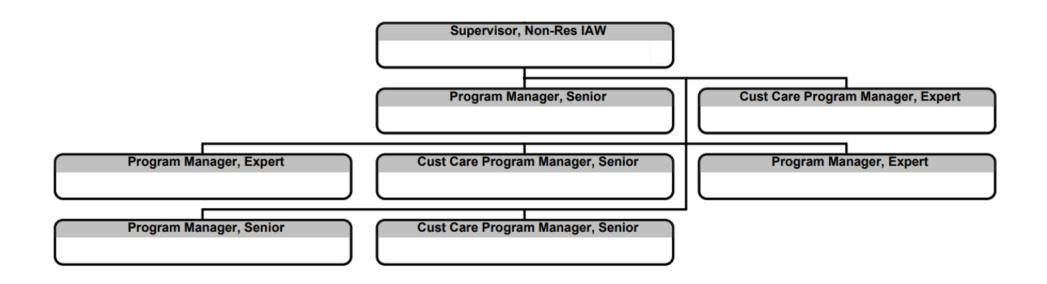
Non-Residential Program Oversight



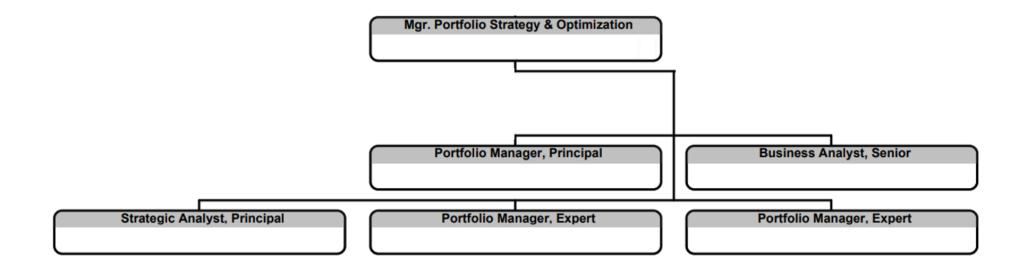
Non-Residential Commercial



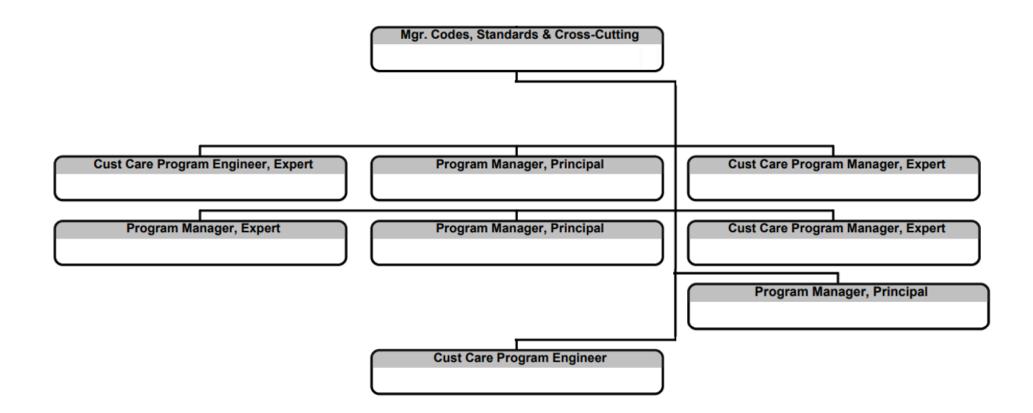
Non-Res IAW Programs



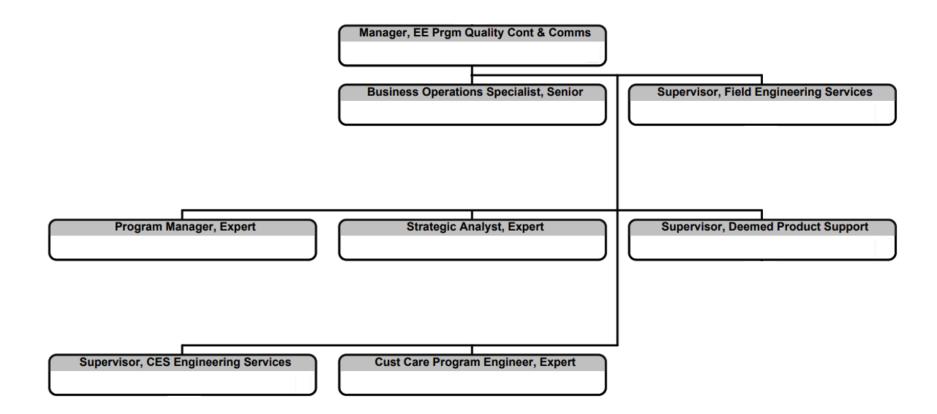
EE Portfolio Strategy & Optimization



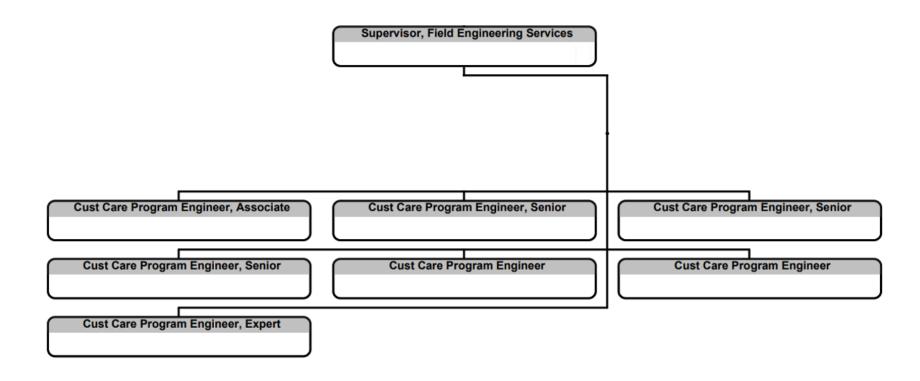
Codes, Standards & Cross-Cutting



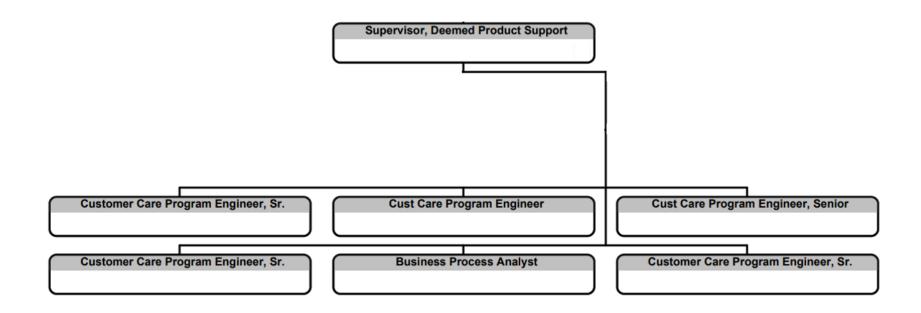
EE Prgm Quality Control & Communications



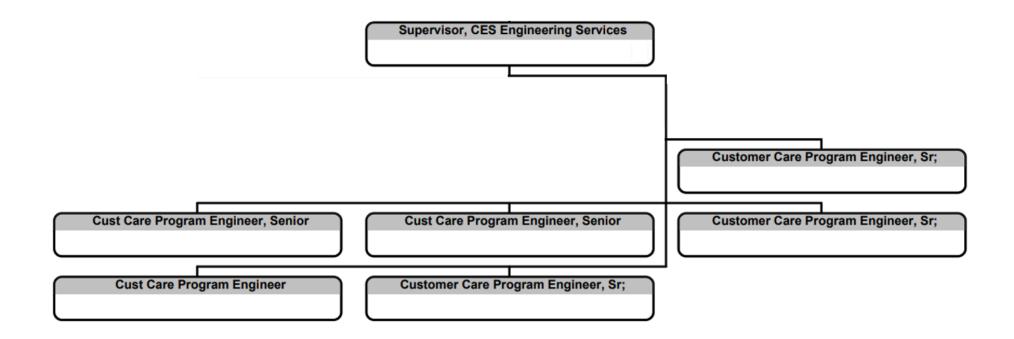
EE Oversight, Verification and Engineering



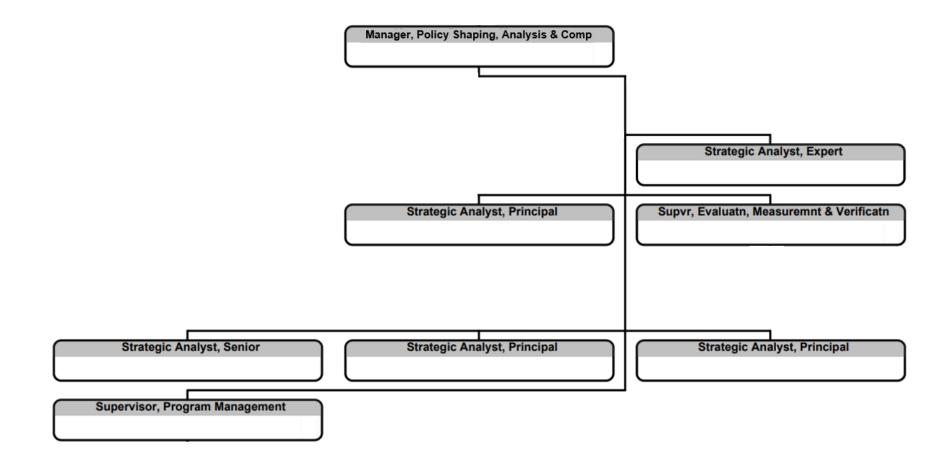
Deemed Product Support



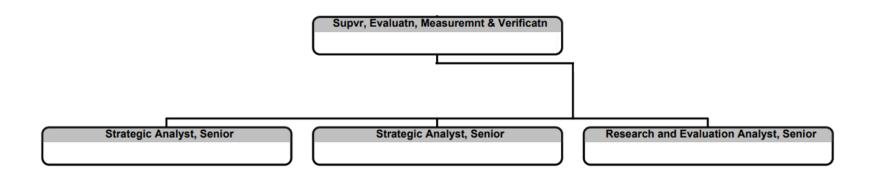
Custom Implementation



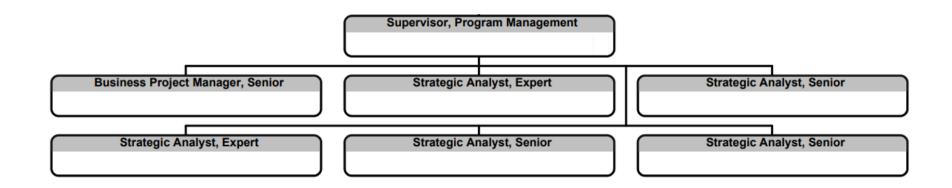
Policy Shaping, Analysis & Compliance



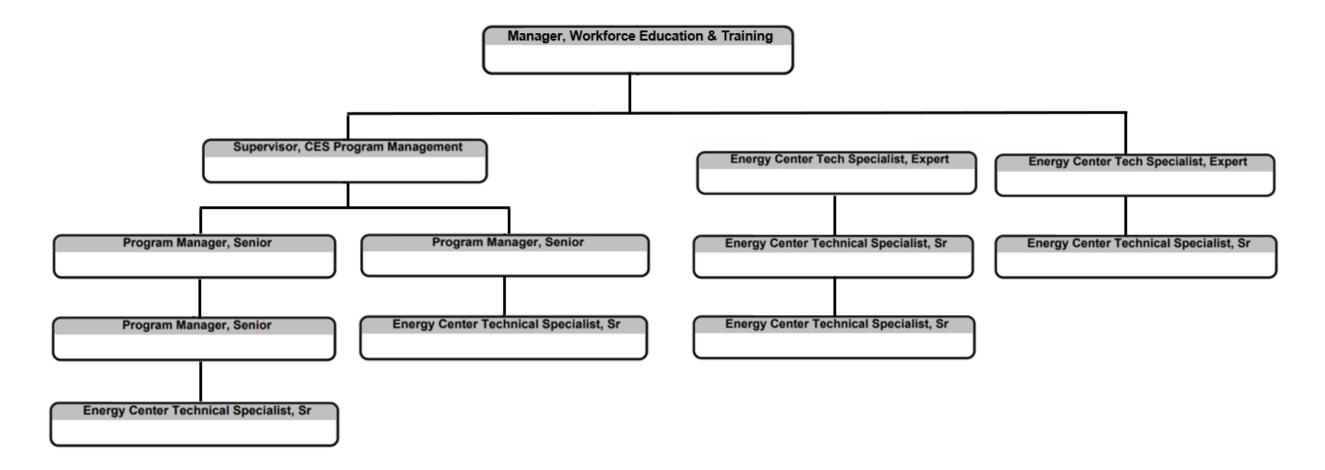
EE Evaluation



Reporting and Compliance



Workforce Education & Training



Organizations Outside of EE

- Application Management
- Applied Technical Services
- BDCE Performance Reporting & Analysis
- Business Energy Solutions
- Business Finance
- Central Inspections
- Customer Care Business Operations
- Customer Insights and Experience
- Data and Energy Management Products
- Energy Insight (System Administration)
- IT
- Law
- Local Customer Experience
- Call Center
- Smarter Energy Line
- Solutions Marketing
- Sourcing

Sector	Cost Element	Functional Group	2020 EE Expenditures (\$Million)	2022 EE Budget (\$Million)	Difference (2020 vs. 2022)	2023 EE Budget (\$Million)	Difference (2022 vs. 2023)	Drivers
PG&E Portfolio including EM&V and excluding OBF Loan Pool	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$4.4	\$4.4	\$0.0	\$4.6	\$0.2	Absorbing costs for continued additional activity related to SW programs and 3P outsourcing implementation; increased coordination activities with REN/CCA PAs; implementation of D.21-05-031 and move to TSB metric; increasing coordination with other DSM programs due to IDSM efforts and cross-cutting initiatives such as reliability and electrification.
		Program Management	\$13.8	\$14.3	\$0.5	\$14.9	\$0.5	Slight increase primarily due to annual labor escalation.
		Engineering services	\$7.3	\$6.8	-\$0.5	\$6.9	\$0.1	Less engineering support needed for CORE custom project development due to increase in 3P programs.
		Customer Application/Rebate/Incentive Processing	\$1.5	\$1.2	-\$0.2	\$1.3	\$0.0	Reduction in rebate processing as volume is lower.
		Customer Project Inspections	\$0.3	\$0.7	\$0.5	\$0.7	\$0.0	2020 inspections were lower than anticipated due to COVID-19 restrictions.
		Portfolio Analytics	\$0.2	\$0.2	\$0.0	\$0.2	\$0.0	Immaterial
		ME&O (Local)	\$1.8	\$1.7	-\$0.1	\$1.8	\$0.0	Immaterial
		Account Management / Sales	\$7.4	\$6.0	-\$1.5	\$6.2	\$0.2	Overall reduction in account management as Portfolio transitions to 3rd party implemented. Implementers plan to continue leveraging certain services (i.e. customer lead generation, customer escalations) and relying less on account representatives to perform project management.
		іт	\$2.6	\$2.5	-\$0.1	\$2.7	\$0.2	Total IT forecast (labor + non-labor) was lowered in 2022 to offset higher-than-anticipated costs to set up NMEC processes in 2020 and 2021. Maintained higher IT budget for 2023 to cover new and/or continuing IT work expected to be necessary to administer the EE portfolio (e.g., implementing TSB and SW program administration).
		Call Center	\$0.4	\$0.5	\$0.0	\$0.5	\$0.0	Immaterial
		EM&V	\$1.5	\$1.2	-\$0.3	\$1.2	\$0.0	Reductions in demand for PG&E-led EM&V studies due to increasing statewide coordination/SW program implementation and slowing of cadence of future impact evaluations; need for NMEC support from EM&V driving changes in the nature of the work.
	Labor Total		\$41.2	\$39.6	-\$1.7	\$40.9	\$1.3	2022 reduction includes absorbing two years of annual labor escalation. If two years of escalation are applied 2020 labor

Appendix I.A.5. Drivers of In-House Cost Changes

Sector	Cost Element	Functional Group	2020 EE Expenditures (\$Million)	2022 EE Budget (\$Million)	Difference (2020 vs. 2022)	2023 EE Budget (\$Million)	Difference (2022 vs. 2023)	Drivers
	Non-Labor	Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10)	\$23.6	\$79.9	\$56.3	\$101.5	\$21.6	N/A as these are outsourced costs, and the question asks for drivers of in-house costs.
		Local/Government Partnerships Contracts	\$4.9	\$0.0	-\$4.9	\$0.0	\$0.0	N/A as these are outsourced costs, and the question asks for drivers of in-house costs.
		Other Contracts						
		Program Implementation	\$48.3	\$28.5	-\$19.8	\$23.2	-\$5.3	Reduced existing programs' contracts spend to make room for new third-party and statewide contracts.
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.9	\$1.1	\$0.1	\$1.1	\$0.0	Immaterial.
		Program Management	\$2.1	\$1.7	-\$0.3	\$1.7	\$0.0	Decrease in contract spend for independent evaluators, less solicitations work expected in 2022 and 2023.
		Engineering services	\$5.2	\$4.8	-\$0.4	\$4.8	\$0.0	Reduction in custom review and workpaper QC contracts; offset by increase for Financing technical review and NMEC QC contracts.
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1	\$0.0	\$0.1	\$0.0	Immaterial.
		Customer Project Inspections	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	Immaterial.
		Portfolio Analytics	\$0.1	\$0.0	-\$0.1	\$0.0	\$0.0	Immaterial.
		ME&O (Local)	\$5.3	\$4.2	-\$1.1	\$4.0	-\$0.2	Reduction in Marketing costs as Portfolio transitions to 3rd party implemented and implementers take on more of the marketing efforts of their respective programs.
		Account Management / Sales	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	Immaterial.
		IT	\$6.6	\$5.3	-\$1.3	\$5.8	\$0.5	Total IT forecast (labor + non-labor) was lowered in 2022 to offset higher-than-anticipated costs to set up NMEC processes in 2020 and 2021. Maintained higher IT budget for 2023 to cover new and/or continuing IT work that may be needed to administer the EE portfolio (e.g., implementing TSB and SW program administration).
		Call Center	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	Immaterial.
		EM&V	\$13.4	\$8.7	-\$4.6	\$9.8	\$1.0	EM&V budgets are set at 4% and spend typically occurs in future years.
		Facilities						Included in Labor.

Sector	Cost Element	Functional Group	2020 EE Expenditures (\$Million)	2022 EE Budget (\$Million)	Difference (2020 vs. 2022)	2023 EE Budget (\$Million)	Difference (2022 vs. 2023)	Drivers
		Incentives(PA-Implemented and Other Contracts Program Implementation) Programs	\$35.7	\$16.8	-\$18.9	\$7.0	-\$9.8	Reduced existing programs' contracts & incentives spend to make room for new third-party and statewide contracts.
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$2.3	\$43.0	\$40.7	\$57.7	\$14.8	N/A as these are outsourced costs, and the question asks for drivers of in-house costs.
	Non-Labor Tota	al	\$148.6	\$194.1	\$45.5	\$216.8	\$22.7	
Total			\$189.8	\$233.7	\$43.8	\$257.6	\$24.0	
	Other (collected through GRC) (2)	Labor Overheads	\$5.8	\$5.4	-\$0.4	\$5.6	\$0.2	2022 and 2023 benefits burden amounts represent estimated benefits burden expenditures. This estimate is calculated based on 2020 expenditures, reduction in 2022 & 2023 FTEs forecast from 2020 FTEs, and 3.52% forecast annual inflation. The 2022 figure has been determined through 2020 General Rate Case (GRC) D.20-12-005 while the final figure for 2023 may change depending on the final amounts or methodology approved by the Commission as part of PG&E's 2023-2026 GRC.

(1) Labor costs are already loaded with employee benefits costs.

Notes: (2) These labor escalation rates are consistent with the amounts included in PG&E's 2023 GRC, which were based on the Labor Agreements PG&E has in place through December 31, 2025 and 2019-2020 United States WorldatWork Salary Budget Survey.

(3) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

Appendix I.B. Energy Efficiency "Full Time Equivalent" Headcount: Portfolio Staffing

Functional Group	2020 EE Portfolio FTE	2022 EE Portfolio FTE	2023 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance	23.5	20.8	20.8
Program Management	70.9	67.6	67.6
Engineering Services	35.8	31.1	31.1
Customer Application/Rebate/Incentive Processing	11.9	11.3	11.3
Customer Project Inspections	1.8	4.9	4.9
Portfolio Analytics	1.1	1.1	1.1
EM&V	6.2	5.4	5.4
ME&O	8.2	6.4	6.2
Account Management / Sales	48.2	32.2	32.2
IT	13.9	11.3	11.8
Call Center	1.2	2.0	2.0
Total	222.8	194.0	194.4

Notes:

(1) FTE is equal to productive labor of 1503 hour per year, with the exception of the Account Management/Sales which equals 1326 hours per year.

Appendix I.C. Costs by Functional Area of Management Structure

FUNCTION DEFINITIONS RESIDENTIAL BUDGET DETAIL COMMERCIAL BUDGET DETAIL AGRICULTURAL BUDGET DETAIL INDUSTRIAL BUDGET DETAIL PUBLIC SECTOR BUDGET DETAIL CROSS-CUTTING BUDGET DETAIL.

Aggregated Category	Definition	Functional Category	Detailed Definition
Policy, Strategy, and Regulatory Reporting Compliance	Includes policy, strategy, compliance, audits and regulatory support	Planning & Compliance	Demand Side Management (DSM) Goal Planning; lead legislative review/positioning; policy support on reg proceedings; portfolio optimization; end use-market strategy; DSM lead for PRP, DRP, ES; locational targeting; audit support; Sarbanes-Oxley (SOX) certifications; developing control plans; developing action plans; continuous monitoring; inspections; program/product QA/QC; decision compliance oversight/tracking; data requests; policies & procedures
		Company Regulatory Support	Case management for EE proceedings
		Program Management & Delivery	Market Segment & Locational Resource programs; Business Core & Finance Programs; Large Power DR Programs; Non-Residential Heating, Ventilation, Air Conditioning (HVAC) & Technical Services; Program Integration & Optimization; Residential EE & Demand Response (DR) Programs (incl. Res HVAC Quality Installation); IQP & Economic Assistance Programs; Mass Market DR Programs; Education & Information Products & Services; Energy Leader Partnerships; Institutional & Federal Partnerships; REN Coordination; Strategic Plan Support; Energy/Water Program Management; Service Level Agreement Tracking
Program management	Includes labor, contracts, admin costs for program design, program implementation, product and channel management for all sectors	Product Management	Manage end-to-end new products and services (P&S) intake, evaluation, and launch process; develop and facilitate P&S governance teams, coordination of all sub-process owners, stakeholders, and technical resources required to evaluate and launch new products; evaluate and launch new services and OOR opportunities; develop external partnerships & strategic alliances; work with various companies and associations to help advance standards, products, and tech.; work with external experts to help reduce SCE costs to deliver new prog. and products; develop and launch new customer technologies, products, services for residential and business customers; conduct customer pilots of new technologies and programs; lead customer field demonstrations of new technologies and products; align new P&S to savings programs/incentives; develop new programs/incentives in support of savings goals
		Channel Management	
		Contract Management	Budget forecasting, spend tracking, invoice processing, and contract management with vendors and suppliers; Regulatory support for ME&O activities
	Includes engineering, project management, and contracts associated with	Custom project support	Management of Emerging Products projects; Customized reviews; LCR/RFO support; Ex-
Engineering Services	workpaper development and pre/post sales project	Deemed workpapers	ante review management; Technical policy support; Technical assessments; Workpapers; Tool development; End use subject matter expertise
	technical reviews and design assistance	Project management	

Aggregated Category	Definition	Functional Category	Detailed Definition
Customer Application/Rebate and Incentive Processing	Costs associated with application management and rebate and incentive processing (deemed and custom)	Rebate & Application Processing	
Inspections	Costs associated with project inspections	Inspections	
Portfolio Analytics	Includes analytics support, including internal performance reporting and external reporting	Data analytics	Data development for programs, products and services; Standard and ad hoc data extracts for internal and external clients; Database management; CPUC, CAISO reporting; Data reconciliation; E3 support; Compliance filing support; Funding Oversight; ESPI support; Program Results Data & Performance
		EM&V Studies	Program and product review; manage evaluation studies
EM&V	EM&V expenditures	EM&V Forecasting	EE lead for LTPP and IEPR; market potential study; integration w/ procurement planning; CPUC Demand Analysis Working Group
ME&O	Costs associated with utility EE marketing; no statewide;	Marketing	Customer Programs, Products, and Services Marketing; Digital Product Development; Digital Content & Optimization
MEQU	focus on outsourced portion	Customer insights	Voice of the Customer; Customer satisfaction study measurement and analysis (JD Power, SDS); Customer testing/research
Account Management / Sales	Costs associated with account rep energy efficiency sales functions	Account Management	
		IT - project specific	Projects and minor enhancements. Includes project management/business integration
ІТ	IT project specific costs and regular O&M	IT – regular operations & maintenance	("PMO/BID"). Excluded: maintenance (which SCE defines as when something goes down, normal batch processing, verifying interfaces, etc.).
Call Center	Costs associated with call center staff fielding EE program questions	Call Center	
Incentives	Costs of rebate and incentive payments to customers	Incentives	

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures (\$Million)	2022 EE Portfolio Budget (\$Million)	2023 EE Portfolio Budget (\$Million)
Residential	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$1.3	\$1.0	\$1.1
		Program Management	\$2.5	\$2.3	\$2.4
		Engineering services	\$0.1	\$0.3	\$0.4
		Customer Application/Rebate/Incentive Processing	\$0.2	\$0.3	\$0.2
		Customer Project Inspections	\$0.0	\$0.2	\$0.1
		Portfolio Analytics	\$0.1	\$0.0	\$0.1
		ME&O (Local)	\$0.4	\$0.6	\$0.6
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.8	\$0.9	\$0.9
		Call Center	\$0.4	\$0.1	\$0.1
	Labor Total		\$5.8	\$5.8	\$6.0
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$13.5	\$26.7	\$33.6
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$4.4	\$1.3	\$0.5
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.4	\$0.2	\$0.3
		Program Management	\$0.5	\$0.3	\$0.3
		Engineering services	\$0.2	\$0.5	\$0.6
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$2.1	\$2.1	\$2.0
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$1.9	\$1.5	\$1.7
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$6.9	\$2.7	\$0.0
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$2.0	\$7.5	\$9.4
	Non-Labor Total		\$31.8	42.9	48.3
Residential To			\$37.7	\$48.7	54.3
	Other (litigated through GRC) (2)	Labor Overheads	\$0.8	\$0.8	0.8

(1) Labor costs are already loaded with employee benefits costs.

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures (\$Million)	2022 EE Portfolio Budget (\$Million)	2023 EE Portfolio Budget (\$Million)
Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.9	\$0.7	\$0.9
		Program Management	\$1.9	\$2.3	\$2.5
		Engineering services	\$1.9	\$0.9	\$1.1
		Customer Application/Rebate/Incentive Processing	\$0.3	\$0.4	\$0.5
		Customer Project Inspections	\$0.2	\$0.3	\$0.3
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.8	\$0.7	\$0.7
		Account Management / Sales	\$2.8	\$3.5	\$3.7
		IT	\$0.7	\$0.3	\$0.5
		Call Center	\$0.0	\$0.1	\$0.1
	Labor Total		\$9.6	\$9.2	\$10.1
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.9	\$18.1	\$23.3
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$11.6	\$0.2	\$0.3
		Policy, Strategy, and Regulatory Reporting Compliance (3)	-\$0.1	\$0.2	\$0.2
		Program Management	\$0.3	\$0.2	\$0.2
		Engineering services	\$2.0	\$1.1	\$0.7
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$1.5	\$1.4	\$1.4
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$1.8	\$0.8	\$1.1
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$15.4	\$1.3	\$1.3
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$21.4	\$25.6
	Non-Labor Total		\$33.4	\$44.7	54.1
Commercial T		P	\$43.0	\$53.8	\$64.2
	Other (litigated through GRC) (2)	Labor Overheads	\$1.3	\$1.3	\$1.4

Notes: (1) Labor costs are already loaded with employee benefits costs.

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

(3) Negative incentives primarily represent a reversal of an accrual from the previous year.

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures (\$Million)	2022 EE Portfolio Budget (\$Million)	2023 EE Portfolio Budget (\$Million)
Industrial	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.5	\$0.9	\$0.7
		Program Management	\$1.3	\$2.0	\$2.0
		Engineering services	\$1.8	\$2.7	\$2.2
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.2	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.1	\$0.1	\$0.1
		Account Management / Sales	\$1.4	\$0.6	\$0.6
		IT	\$0.4	\$0.4	\$0.4
		Call Center	\$0.0	\$0.1	\$0.1
	Labor Total		\$5.6	\$7.2	\$6.4
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.8	\$7.6	\$8.0
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$8.8	\$5.6	\$4.3
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.2	\$0.2
		Program Management	\$0.2	\$0.2	\$0.2
		Engineering services	\$0.6	\$1.1	\$1.3
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.1	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.1	\$0.1
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$1.0	\$1.0	\$0.8
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$1.9	\$10.0	\$4.7
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.3	\$6.3	\$7.5
	Non-Labor Total		\$14.0	\$32.2	\$27.1
Industrial Tota			\$19.6	\$39.4	\$33.4
	Other (litigated through GRC) (2)	Labor Overheads	\$0.8	\$1.0	\$0.9

Notes: (1) Labor costs are already loaded with employee benefits costs.

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

			2020 EE	2022 EE	2023 EE
			Portfolio	Portfolio	Portfolio
Oristan		Functional Occurs	Expenditures	Budget	Budget
Sector Agricultural	Cost Element Labor(1)	Functional Group	(\$Million) \$0.3	(\$Million) \$0.3	(\$Million) \$0.5
Agricultural		Policy, Strategy, and Regulatory Reporting Compliance	\$0.3 \$0.6		
		Program Management		\$0.7	\$0.9
		Engineering services	\$0.8	\$0.3	\$0.5
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.0	\$0.1
		Account Management / Sales	\$1.0	\$0.5	\$0.5
		IT	\$0.2	\$0.2	\$0.3
		Call Center	\$0.0	\$0.0	\$0.1
	Labor Total		\$3.1	\$2.4	\$3.1
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.5	\$5.3	\$8.4
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$1.0	\$0.0	\$0.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.1	\$0.1
		Program Management	\$0.1	\$0.1	\$0.1
		Engineering services	\$0.4	\$0.2	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.4	\$0.1	\$0.1
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.4	\$0.4	\$0.6
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$5.6	\$0.9	\$0.6
		IncentivesThird Party Program (as defined per D.16-08- 019, OP 10)	\$0.1	\$4.8	\$8.6
	Non-Labor Total		\$8.5	\$11.9	\$18.9
Agricultural To			\$11.6	\$14.3	\$22.0
	Other (litigated through GRC) (2)	Labor Overboade	\$0.4	\$0.3	\$0.4
	(4)	Labor Overheads			

(1) Labor costs are already loaded with employee benefits costs.
(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

			2020 EE	2022 EE	2023 EE
			Portfolio	Portfolio	Portfolio
a <i>i</i>			Expenditures	Budget	Budget
Sector Public	Cost Element Labor(1)	Functional Group Policy, Strategy, and Regulatory Reporting Compliance	(\$Million)	(\$Million)	(\$Million)
Fublic			\$0.5	\$0.5	\$0.5
		Program Management	\$1.7	\$1.6	\$1.7
		Engineering services	\$0.9	\$0.2	\$0.4
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1	\$0.2
		Customer Project Inspections	\$0.0	\$0.1	\$0.1
		Portfolio Analytics	\$0.1	\$0.0	\$0.0
		ME&O (Local)	\$0.0	\$0.1	\$0.1
		Account Management / Sales	\$1.2	\$0.4	\$0.4
		IT	\$0.4	\$0.2	\$0.2
		Call Center	\$0.0	\$0.0	\$0.1
	Labor Total		\$4.8	\$3.4	\$3.7
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$1.3	\$7.2	\$10.2
		Local/Government Partnerships Contracts (3)	\$4.9	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$2.8	\$1.1	\$0.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.1	\$0.1
		Program Management	\$0.2	\$0.1	\$0.1
		Engineering services	\$0.3	\$0.1	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.1	\$0.0	\$0.0
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.9	\$0.5	\$0.6
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$5.9	\$1.8	\$0.4
		IncentivesThird Party Program (as defined per D.16-08- 019, OP 10)	\$0.0	\$2.9	\$6.7
	Non-Labor Total		\$16.6	\$13.9	\$18.3
Public Total			\$21.5	\$17.3	\$22.0
	Other (litigated through GRC) (2)	Labor Overheads	\$0.7	\$0.5	\$0.5

(1) Labor costs are already loaded with employee benefits costs.

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

(3) LGP contracts that directly support the sector is included/not included in this item

			2020 EE	2022 EE	2023 EE
	Cost		Portfolio Expenditures	Portfolio Budget	Portfolio Budget
Sector	Element	Functional Group	(\$Million)	(\$Million)	(\$Million)
Cross-	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.9	\$1.0	\$0.9
cutting		Program Management	\$5.7	\$5.3	\$5.4
		Engineering services	\$1.9	\$2.4	\$2.2
		Customer Application/Rebate/Incentive Processing	\$0.8	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.3	\$0.3	\$0.3
		Account Management / Sales	\$1.1	\$0.9	\$0.9
		IT	\$0.1	\$0.5	\$0.4
		Call Center	\$0.0	\$0.1	\$0.1
	Labor Total		\$10.9	\$10.5	10.3
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$6.4	\$14.9	\$17.9
		Local/Government Partnerships Contracts	\$0.0	\$0.0	\$0.0
		Other Contracts			
		Program Implementation	\$19.9	\$20.3	\$18.1
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.3	\$0.2	\$0.2
		Program Management	\$0.8	\$0.9	\$0.8
		Engineering services	\$1.7	\$1.9	\$1.8
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0	\$0.0
		ME&O (Local)	\$0.9	\$0.5	\$0.5
		Account Management / Sales	\$0.0	\$0.0	\$0.0
		IT	\$0.6	\$1.1	\$1.1
		Call Center	\$0.0	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$0.1	\$0.0	\$0.0
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$0.0	\$0.0
	Non-Labor To	otal	\$30.8	39.8	40.4
Cross-cutting	g Total		\$41.6	50.3	50.7
	Other (litigated through GRC) (2)	Labor Overheads	\$1.5	1.4	1.4

(1) Labor costs are already loaded with employee benefits costs.

(2) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.20-12-005) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2020-2022, issue date of December 11, 2020.

Appendix II.A. Question C-8: Portfolio Summary

		2020 EE Portfolio Expenditures				2022 EE Portf	olio Budget			2023 EE Portfe	olio Budget		2020 EE	Portfolio Sa	avings	2022 EE Portfo	lio Forecas	ed Savings	2023 EE Portfol	ted Savings	
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	кwн	кw	MTHERMS	күн	КW	MTHERMS	KWH	кw	MTHERMS
Residential	6,251,358	22,589,672	8,824,687	37,665,716	\$ 5,788,257	\$ 32,641,560	10,275,381	48,705,198	\$ 6,034,277	\$ 38,883,407	9,391,765	54,309,449	166,220,003	32,293	6,593,080	222,067,807	45,505	7,297,100	245,687,410	48,750	8,431,319
Commercial	9,914,052	17,742,019	15,365,547	43,021,618	\$ 9,170,665	\$ 21,979,573	22,695,963	53,846,200	\$ 10,134,552	\$ 27,244,217	26,867,164	64,245,934	55,286,644	8,659	2,709,667	54,927,666	9,280	2,521,925	62,066,717	11,375	3,206,227
Industrial	5,741,537	11,727,261	2,130,443	19,599,241	\$ 7,165,119	\$ 15,850,879	16,368,325	39,384,322	\$ 6,385,844	\$ 14,897,243	12,159,710	33,442,797	32,835,520	3,241	4,859,164	68,148,287	4,834	7,918,382	60,134,968	5,445	5,456,183
Agricultural	3,153,258	2,805,832	5,648,980	11,608,069	\$ 2,398,414	\$ 6,143,254	5,740,451	14,282,120	\$ 3,099,202	\$ 9,615,088	9,242,015	21,956,306	12,611,015	4,664	925,398	22,662,909	2,666	135,042	33,668,315	3,818	234,307
Public	5,042,603	10,489,776	5,922,604	21,454,983	\$ 3,397,720	\$ 9,137,184	4,723,179	17,258,083	\$ 3,716,504	\$ 11,226,601	7,103,065	22,046,170	23,127,766	2,746	510,461	19,049,547	2,685	358,739	24,159,903	5,011	847,044
Cross Cutting"	10,986,210	30,578,098	85,777	41,650,085	\$ 10,487,608	\$ 39,783,375	(0)	50,270,983	\$ 10,304,023	\$ 40,353,301	-	50,657,323	23,406,432	3,113	113,856	1,251,284,509	219,114	19,475,290	1,306,946,611	254,930	22,569,794
Total Sector Budget	41,089,018	95,932,657	37,978,037	174,999,712	\$ 38,407,783	\$125,535,825	59,803,298	223,746,906	\$ 39,674,403	\$ 142,219,857	64,763,719	246,657,979	313,487,380	54,716	15,711,627	1,638,140,726	284,083	37,706,478	1,732,663,924	329,329	40,744,874
EM&V-PA	1,456,428	681,223	-	2,137,651	\$ 1,164,996	\$ 1,834,187	-	2,999,183	\$ 1,206,004	\$ 1,815,077	-	3,021,081									
EM&V-ED	13,325	12,689,717	-	12,703,042	s -	\$ 6,906,938	-	6,906,938	S -	\$ 7,964,668	-	7,964,668									
OBF - Loan Pool	-	-	27,902,676	27,902,676	\$ -	\$ -	14,000,000	14,000,000	ş -	s -	17,000,000	17,000,000									
CEC AB841	-	-	-	-	\$ -	\$ 80,908,048	-	80,908,048	\$ -	\$ 69,349,755	-	69,349,755									
PA Spending Budget Request																					
(PA Program and EM&V + CEC AB	42,558,770	109,303,598	65,880,714	217,743,082	\$ 39,572,779	\$215,184,998	73,803,298	328,561,075	\$ 40,880,407	\$ 221,349,358	81,763,719	343,993,483	313,487,380.31	54,716	15,711,627	1,638,140,726	284,083	37,706,478	1,732,663,924	329,329	40,744,874

* Cross Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Finance.
** 2020 EE portfolio first-year net savings exclude savings from Codes and Standards advocacy programs as well as savings from RENs and CCAs

Appendix II.C. Question C-10: Aggregate Budgets for Statewide Programs EE Programs Solicitation Strategy

Projected PG&E Energy Efficiency Solicitation Schedule																																				
										Up	dat	ed :	10/	21/	202	1																				
Year						2022						2023										2024														
Quarter		Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q	2		(J 3		Q	4
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	A	pr Ma	y Ju	in Ju	I A	ug Sej	00	t No	v Dec
Targeted Solicitations Addressing New Portfolio Needs																															Key:					
Local Micro-Small Business Equity Program		RFP		c	NT	4	AL .		IP																		Req						re-Scre	en (P	s)	
Local Compliance Improvement Sub-Program			RFA			R	FP		C	NT	4	AL .		IP																			(RFP)	-		
																											C	ontr					ations (NEG)		
Placeholders for Potential Future Solicitations																															e Lette					
Local Residential Equity Program		Tentative														Implementation Plan (IP) / Program Launch																				
Local Non-Residential SEM Expansion								Tent	tative																											
Local Residential Market Support Program																	Tent	tative																		
TBD Local Program Rebidding - Wave 1																		Tent	ative																	
TBD Local Program Rebidding - Wave 2																								Tent	ative											
Non-EE PMO Supported Solicitations																																				
CAEECC Facilitator RFP	R	FP	C	NT																																
Energy Savings Assistance Program					RFP						CNT		L	AUN	CH																					
2021-2022 DIDF All-Source RFO Support		NEG																																		
2021-2022 DIDF Partnership Pilot Support	Р																																			

Note: Local Compliance Improvement Sub-Program is expected to replace all or some of PG&E's existing Code Compliance program; no new funding is included in this BBAL because the forecast already reflects continued funding of a code compliance program.

CEDARS FILING SUBMISSION RECEIPT

The PGE portfolio budget filing has been submitted and is now under review. A summary of the budget filing is provided below.

PA: Pacific Gas & Electric (PGE)

Budget Filing Year: 2022

Submitted: 23:59:40 on 14 Dec 2021

By: Jake Richardson

Advice Letter Number: 4521-G/6385-E

* Portfolio Budget Filing Summary *

- TRC: 2.82
- PAC: 9.45
- TRC (no admin): 3.62
- PAC (no admin): 36.52
- RIM: 0.76
- Budget: \$233,653,027.53
- TotalSystemBenefit: \$2,114,961,487.01
- ElecBen: \$1,723,670,568.50
- GasBen: \$390,369,301.14
- OtherBen: \$68,028.43
- TRCCost: \$750,158,964.54
- PACCost: \$223,632,839.02
- * Programs Included in the Budget Filing *
- PGE21002: Residential Energy Efficiency
- PGE21005: Residential New Construction
- PGE21007: California New Homes Multifamily
- PGE21011: Commercial Calculated Incentives
- PGE21012: Commercial Deemed Incentives
- PGE21014: Commercial Energy Advisor
- PGE21021: Industrial Calculated Incentives
- PGE210212: Compressed Air and Vacuum Optimization Program
- PGE21022: Industrial Deemed Incentives
- PGE21024: Industrial Energy Advisor

- PGE21031: Agricultural Calculated Incentives
- PGE21032: Agricultural Deemed Incentives
- PGE21034: Agricultural Energy Advisor
- PGE21053: Compliance Improvement
- PGE21054: Reach Codes
- PGE21055: Planning and Coordination
- PGE21056: Code Readiness
- PGE21062: Technology Assessments
- PGE21063: Technology Introduction Support
- PGE21071: Integrated Energy Education and Training
- PGE21091: On-Bill Financing (excludes Loan Pool)
- PGE210911: On-Bill Financing Alternative Pathway
- PGE2110011: California Community Colleges
- PGE2110012: University of California/California State University
- PGE2110013: State of California
- PGE2110014: Department of Corrections and Rehabilitation
- PGE2110051: Local Government Energy Action Resources (LGEAR)
- PGE211025: Savings by Design (SBD)
- PGE_Ag_001: Agriculture Energy Savings Action Plan
- PGE_Com_001: Grocery Comprehensive Retrofit and Commissioning
- PGE_Com_002: Smart Labs
- PGE_Com_003: Commercial Efficiency Program
- PGE_Com_004: Advanced Energy Program for High Tech & Biotech
- PGE_Com_005: Healthcare Energy Fitness Initiative
- PGE_Com_SmallBiz: New Small/Micro Business Offering
- PGE_EMV: Evaluation Measurement and Verification
- PGE_ESA: Energy Savings Assistance
- PGE_Ind_001a: Industrial Strategic Energy Management Food Processing
- PGE_Ind_001b: Industrial Strategic Energy Management Manufacturing
- PGE_Ind_002: Business Energy Performance Program
- PGE_Ind_003: Industrial Systems Optimization Program
- PGE_LoanPool: Financing Loan Pool Addition
- PGE_OtherPA_Admin: IOU REN/CCA Admin Costs
- PGE_Pub_001: Central Coast Leaders in Energy Action Program
- PGE_Pub_002: Marin Energy Watch Partnership
- PGE_Pub_003: Redwood Coast Energy Watch
- PGE_Pub_004: Central California Energy Watch
- PGE_Pub_005: San Mateo County Energy Watch Program
- PGE_Pub_006: Energy Access SF
- PGE_Pub_007: Sierra Nevada Energy Watch
- PGE_Pub_008: Sonoma Public Energy
- PGE_Pub_009: Government and K-12 Comprehensive Program

- PGE_Pub_010: RAPIDS Wastewater Treatment Optimization Program
- PGE_Res_001a: Pay for Performance Comfortable Home Rebates
- PGE_Res_001b: Pay for Performance Home Intel
- PGE_Res_001c: Pay for Performance Home Energy Rewards
- PGE_Res_002a: Residential Energy Advisor Home Energy Checkups
- PGE_Res_002b: Residential Energy Advisor Marketplace
- PGE_Res_002d: Continuous Energy Feedback Program
- PGE_Res_002e: New Marketplace Program
- PGE_Res_003: Multifamily Energy Savings Program
- PGE_SW_CSA_Appl: State Appliance Standards Advocacy
- PGE_SW_CSA_Appl_PA: State Appliance Standards Advocacy PA Costs
- PGE_SW_CSA_Bldg: State Building Codes Advocacy
- PGE_SW_CSA_Bldg_PA: State Building Codes Advocacy PA Costs
- PGE_SW_CSA_Natl: National Codes & Standards Advocacy
- PGE_SW_CSA_Natl_PA: National Codes & Standards Advocacy PA Costs
- PGE_SW_ETP_Elec: Emerging Technologies Program, Electric
- PGE_SW_ETP_Elec_PA: Emerging Technologies Program, Electric PGE Costs
- PGE_SW_ETP_Gas: Emerging Technologies Program, Gas
- PGE_SW_ETP_Gas_PA: Emerging Technologies Program, Gas PGE Costs
- PGE_SW_FS: Food Service POS
- PGE_SW_FS_PA: Food Service POS PGE Costs
- PGE_SW_HVAC_Up: Upstream HVAC (Comm and Res)
- PGE_SW_HVAC_Up_PA: Upstream HVAC (Comm and Res) PGE Costs
- PGE_SW_IP_Colleges: Institutional Partnerships, UC/CSU/CCC
- PGE_SW_IP_Colleges_PA: Institutional Partnerships, UC/CSU/CCC PGE Costs
- PGE_SW_IP_Gov: Institutional Partnerships: DGS and DoC
- PGE_SW_IP_Gov_PA: Institutional Partnerships: DGS and DoC PGE Costs
- PGE_SW_MCWH: Midstream Comm Water Heating
- PGE_SW_MCWH_PA: Midstream Comm Water Heating PGE Costs
- PGE_SWMEO: Statewide Marketing Education and Outreach
- PGE_SW_NC_NonRes_Ag_electric: SW New Construction NonRes Ag All Electric
- PGE_SW_NC_NonRes_Ag_electric_PA: SW New Construction NonRes Ag All Electric PGE Costs
- PGE_SW_NC_NonRes_Ag_mixed: SW New Construction NonRes Ag Mixed Fuel
- PGE_SW_NC_NonRes_Ag_mixed_PA: SW New Construction NonRes Ag Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Com_electric: SW New Construction NonRes Com All Electric
- PGE_SW_NC_NonRes_Com_electric_PA: SW New Construction NonRes Com All Electric PGE Costs
- PGE_SW_NC_NonRes_Com_mixed: SW New Construction NonRes Com Mixed Fuel
- PGE_SW_NC_NonRes_Com_mixed_PA: SW New Construction NonRes Com Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Ind_electric: SW New Construction NonRes Ind All Electric
- PGE_SW_NC_NonRes_Ind_electric_PA: SW New Construction NonRes Ind All Electric PGE Costs
- PGE_SW_NC_NonRes_Ind_mixed: SW New Construction NonRes Ind Mixed Fuel
- PGE_SW_NC_NonRes_Ind_mixed_PA: SW New Construction NonRes Ind Mixed Fuel PGE Costs

- PGE_SW_NC_NonRes_Pub_electric: SW New Construction NonRes Public All Electric
- PGE_SW_NC_NonRes_Pub_electric_PA: SW New Construction NonRes Public All Electric PGE Costs
- PGE_SW_NC_NonRes_Pub_mixed: SW New Construction NonRes Public Mixed Fuel
- PGE_SW_NC_NonRes_Pub_mixed_PA: SW New Construction NonRes Public Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Res_electric: SW New Construction NonRes Res All Electric
- PGE_SW_NC_NonRes_Res_electric_PA: SW New Construction NonRes Res All Electric PGE Costs
- PGE_SW_NC_NonRes_Res_mixed: SW New Construction NonRes Res Mixed Fuel
- PGE_SW_NC_NonRes_Res_mixed_PA: SW New Construction NonRes Res Mixed Fuel PGE Costs
- PGE_SW_NC_Res_electric: SW New Construction Res All Electric
- PGE_SW_NC_Res_electric_PA: SW New Construction Res All Electric PGE Costs
- PGE_SW_NC_Res_mixed: SW New Construction Res Mixed Fuel
- PGE_SW_NC_Res_mixed_PA: SW New Construction Res Mixed Fuel PGE Costs
- PGE_SW_PLA: Plug Load and Appliance
- PGE_SW_PLA_PA: Plug Load and Appliance PGE Costs
- PGE_SW_UL: Lighting (Upstream)
- PGE_SW_UL_PA: Lighting (Upstream) PGE Costs
- PGE_SW_WET_CC: WET Career Connections
- PGE_SW_WET_CC_PA: WET Career Connections PGE Costs
- PGE_SW_WET_Work: WET Career and Workforce Readiness
- PGE_SW_WET_Work_PA: WET Career and Workforce Readiness PGE Costs
- PGE_SW_WP: Water/wastewater Pumping
- PGE_SW_WP_PA: Water/wastewater Pumping PGE Costs

CEDARS FILING SUBMISSION RECEIPT

The PGE portfolio budget filing has been submitted and is now under review. A summary of the budget filing is provided below.

PA: Pacific Gas & Electric (PGE)

Budget Filing Year: 2023

Submitted: 00:02:18 on 15 Dec 2021

By: Jake Richardson

Advice Letter Number: 4521-G/6385-E

* Portfolio Budget Filing Summary *

- TRC: 2.74
- PAC: 9.74
- TRC (no admin): 3.45
- PAC (no admin): 37.07
- RIM: 0.81
- Budget: \$257,643,727.85
- TotalSystemBenefit: \$2,397,570,614.73
- ElecBen: \$1,924,522,445.74
- GasBen: \$468,809,322.60
- OtherBen: \$2,363,701.82
- TRCCost: \$874,996,835.78
- PACCost: \$245,966,667.48
- * Programs Included in the Budget Filing *
- PGE21011: Commercial Calculated Incentives
- PGE21012: Commercial Deemed Incentives
- PGE21014: Commercial Energy Advisor
- PGE21021: Industrial Calculated Incentives
- PGE210212: Compressed Air and Vacuum Optimization Program
- PGE21022: Industrial Deemed Incentives
- PGE21024: Industrial Energy Advisor
- PGE21031: Agricultural Calculated Incentives
- PGE21032: Agricultural Deemed Incentives
- PGE21034: Agricultural Energy Advisor

- PGE21053: Compliance Improvement
- PGE21054: Reach Codes
- PGE21055: Planning and Coordination
- PGE21056: Code Readiness
- PGE21071: Integrated Energy Education and Training
- PGE21091: On-Bill Financing (excludes Loan Pool)
- PGE210911: On-Bill Financing Alternative Pathway
- PGE2110011: California Community Colleges
- PGE2110012: University of California/California State University
- PGE2110013: State of California
- PGE2110014: Department of Corrections and Rehabilitation
- PGE211025: Savings by Design (SBD)
- PGE_Ag_001: Agriculture Energy Savings Action Plan
- PGE_Com_001: Grocery Comprehensive Retrofit and Commissioning
- PGE_Com_002: Smart Labs
- PGE_Com_003: Commercial Efficiency Program
- PGE_Com_004: Advanced Energy Program for High Tech & Biotech
- PGE_Com_005: Healthcare Energy Fitness Initiative
- PGE_Com_SmallBiz: New Small/Micro Business Offering
- PGE_EMV: Evaluation Measurement and Verification
- PGE_ESA: Energy Savings Assistance
- PGE_Ind_001a: Industrial Strategic Energy Management Food Processing
- PGE_Ind_001b: Industrial Strategic Energy Management Manufacturing
- PGE_Ind_002: Business Energy Performance Program
- PGE_Ind_003: Industrial Systems Optimization Program
- PGE_LoanPool: Financing Loan Pool Addition
- PGE_OtherPA_Admin: IOU REN/CCA Admin Costs
- PGE_Pub_001: Central Coast Leaders in Energy Action Program
- PGE_Pub_002: Marin Energy Watch Partnership
- PGE_Pub_003: Redwood Coast Energy Watch
- PGE_Pub_004: Central California Energy Watch
- PGE_Pub_005: San Mateo County Energy Watch Program
- PGE_Pub_006: Energy Access SF
- PGE_Pub_007: Sierra Nevada Energy Watch
- PGE_Pub_008: Sonoma Public Energy
- PGE_Pub_009: Government and K-12 Comprehensive Program
- PGE_Pub_010: RAPIDS Wastewater Treatment Optimization Program
- PGE_Res_001b: Pay for Performance Home Intel
- PGE_Res_001c: Pay for Performance Home Energy Rewards
- PGE_Res_002a: Residential Energy Advisor Home Energy Checkups
- PGE_Res_002d: Continuous Energy Feedback Program
- PGE_Res_002e: New Marketplace Program

- PGE_Res_003: Multifamily Energy Savings Program
- PGE_Res_Equity: PGE_Res_Equity
- PGE_SW_CSA_Appl: State Appliance Standards Advocacy
- PGE_SW_CSA_Appl_PA: State Appliance Standards Advocacy PA Costs
- PGE_SW_CSA_Bldg: State Building Codes Advocacy
- PGE_SW_CSA_Bldg_PA: State Building Codes Advocacy PA Costs
- PGE_SW_CSA_Natl: National Codes & Standards Advocacy
- PGE_SW_CSA_Natl_PA: National Codes & Standards Advocacy PA Costs
- PGE_SW_ETP_Elec: Emerging Technologies Program, Electric
- PGE_SW_ETP_Elec_PA: Emerging Technologies Program, Electric PGE Costs
- PGE_SW_ETP_Gas: Emerging Technologies Program, Gas
- PGE_SW_ETP_Gas_PA: Emerging Technologies Program, Gas PGE Costs
- PGE_SW_FS: Food Service POS
- PGE_SW_FS_PA: Food Service POS PGE Costs
- PGE_SW_HVAC_QIQM: Statewide Residential QI/QM
- PGE_SW_HVAC_QIQM_PA: Statewide Residential QI/QM PGE Costs
- PGE_SW_HVAC_Up: Upstream HVAC (Comm and Res)
- PGE_SW_HVAC_Up_PA: Upstream HVAC (Comm and Res) PGE Costs
- PGE_SW_IP_Colleges: Institutional Partnerships, UC/CSU/CCC
- PGE_SW_IP_Colleges_PA: Institutional Partnerships, UC/CSU/CCC PGE Costs
- PGE_SW_IP_Gov: Institutional Partnerships: DGS and DoC
- PGE_SW_IP_Gov_PA: Institutional Partnerships: DGS and DoC PGE Costs
- PGE_SW_MCWH: Midstream Comm Water Heating
- PGE_SW_MCWH_PA: Midstream Comm Water Heating PGE Costs
- PGE_SWMEO: Statewide Marketing Education and Outreach
- PGE_SW_NC_NonRes_Ag_electric: SW New Construction NonRes Ag All Electric
- PGE_SW_NC_NonRes_Ag_electric_PA: SW New Construction NonRes Ag All Electric PGE Costs
- PGE_SW_NC_NonRes_Ag_mixed: SW New Construction NonRes Ag Mixed Fuel
- PGE_SW_NC_NonRes_Ag_mixed_PA: SW New Construction NonRes Ag Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Com_electric: SW New Construction NonRes Com All Electric
- PGE_SW_NC_NonRes_Com_electric_PA: SW New Construction NonRes Com All Electric PGE Costs
- PGE_SW_NC_NonRes_Com_mixed: SW New Construction NonRes Com Mixed Fuel
- PGE_SW_NC_NonRes_Com_mixed_PA: SW New Construction NonRes Com Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Ind_electric: SW New Construction NonRes Ind All Electric
- PGE_SW_NC_NonRes_Ind_electric_PA: SW New Construction NonRes Ind All Electric PGE Costs
- PGE_SW_NC_NonRes_Ind_mixed: SW New Construction NonRes Ind Mixed Fuel
- PGE_SW_NC_NonRes_Ind_mixed_PA: SW New Construction NonRes Ind Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Pub_electric: SW New Construction NonRes Public All Electric
- PGE_SW_NC_NonRes_Pub_electric_PA: SW New Construction NonRes Public All Electric PGE Costs
- PGE_SW_NC_NonRes_Pub_mixed: SW New Construction NonRes Public Mixed Fuel
- PGE_SW_NC_NonRes_Pub_mixed_PA: SW New Construction NonRes Public Mixed Fuel PGE Costs
- PGE_SW_NC_NonRes_Res_electric: SW New Construction NonRes Res All Electric

- PGE_SW_NC_NonRes_Res_electric_PA: SW New Construction NonRes Res All Electric PGE Costs
- PGE_SW_NC_NonRes_Res_mixed: SW New Construction NonRes Res Mixed Fuel
- PGE_SW_NC_NonRes_Res_mixed_PA: SW New Construction NonRes Res Mixed Fuel PGE Costs
- PGE_SW_NC_Res_electric: SW New Construction Res All Electric
- PGE_SW_NC_Res_electric_PA: SW New Construction Res All Electric PGE Costs
- PGE_SW_NC_Res_mixed: SW New Construction Res Mixed Fuel
- PGE_SW_NC_Res_mixed_PA: SW New Construction Res Mixed Fuel PGE Costs
- PGE_SW_PLA: Plug Load and Appliance
- PGE_SW_PLA_PA: Plug Load and Appliance PGE Costs
- PGE_SW_UL: Lighting (Upstream)
- PGE_SW_UL_PA: Lighting (Upstream) PGE Costs
- PGE_SW_WET_CC: WET Career Connections
- PGE_SW_WET_CC_PA: WET Career Connections PGE Costs
- PGE_SW_WET_Work: WET Career and Workforce Readiness
- PGE_SW_WET_Work_PA: WET Career and Workforce Readiness PGE Costs
- PGE_SW_WP: Water/wastewater Pumping
- PGE_SW_WP_PA: Water/wastewater Pumping PGE Costs

PG&E Gas and Electric Advice Submittal List General Order 96-B, Section IV

AT&T Albion Power Company

Alta Power Group, LLC Anderson & Poole

Atlas ReFuel BART

Barkovich & Yap, Inc. California Cotton Ginners & Growers Assn California Energy Commission

California Hub for Energy Efficiency Financing

California Alternative Energy and Advanced Transportation Financing Authority California Public Utilities Commission Calpine

Cameron-Daniel, P.C. Casner, Steve Center for Biological Diversity

Chevron Pipeline and Power City of Palo Alto

City of San Jose Clean Power Research Coast Economic Consulting Commercial Energy Crossborder Energy Crown Road Energy, LLC Davis Wright Tremaine LLP Day Carter Murphy

Dept of General Services Don Pickett & Associates, Inc. Douglass & Liddell East Bay Community Energy Ellison Schneider & Harris LLP Energy Management Service Engineers and Scientists of California

GenOn Energy, Inc. Goodin, MacBride, Squeri, Schlotz & Ritchie Green Power Institute Hanna & Morton ICF International Power Technology

Intertie

Intestate Gas Services, Inc. Kelly Group Ken Bohn Consulting Keyes & Fox LLP Leviton Manufacturing Co., Inc.

Los Angeles County Integrated Waste Management Task Force MRW & Associates Manatt Phelps Phillips Marin Energy Authority McKenzie & Associates

Modesto Irrigation District NLine Energy, Inc. NRG Solar

OnGrid Solar Pacific Gas and Electric Company Peninsula Clean Energy Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority Regulatory & Cogeneration Service, Inc. SCD Energy Solutions San Diego Gas & Electric Company

SPURR San Francisco Water Power and Sewer Sempra Utilities

Sierra Telephone Company, Inc. Southern California Edison Company Southern California Gas Company Spark Energy Sun Light & Power Sunshine Design Tecogen, Inc. TerraVerde Renewable Partners Tiger Natural Gas, Inc.

TransCanada Utility Cost Management Utility Power Solutions Water and Energy Consulting Wellhead Electric Company Western Manufactured Housing Communities Association (WMA) Yep Energy