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Advice 4303-G/5936-E

(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

<u>Subject:</u> PG&E's 2021 Energy Efficiency Annual Budget Advice Letter in Compliance with Decisions 15-10-028 and 18-05-041

I. Purpose

Pacific Gas and Electric Company (PG&E) submits its 2021 energy efficiency (EE) portfolio budget (2021 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 and guidance from the California Public Utilities Commission (CPUC or Commission) Energy Division (ED) staff (Staff).

PG&E requests that the Commission approve its 2021 Annual Budget Advice Letter (ABAL) spending budget of \$237,724,275 and its 2021 cost recovery budget of \$227,724,275 through a non-standard disposition effective January 1, 2021.³ PG&E additionally requests that the Commission approve the forecasted 2021 electric/gas split for cost recovery allocations effective January 1, 2021.⁴

II. Background

A. Regulatory Requirements

D.15-10-028 requires each EE program administrator (PA) to submit an advice letter with a budget for the next calendar year's EE portfolio by the first business day of September

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

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

² D.18-05-041, OP 41-47.

⁴ The 2021 ABAL forecasted electric/gas split is 83%/17%, applicable to the non-fuel-substitution portion of its EE portfolio budget as shown in Section III.J.1, Table 15.

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

B. Submittal 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.⁷

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

- A forecasted Total Resource Cost (TRC) test score that meets or exceeds 1.25, except during program years 2019-2022, when the forecasted TRC must meet or exceed 1.0;
- Forecasted energy savings goals that must meet or exceed Commissionestablished savings goals for each IOU; and
- 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 ABAL.⁸

If a Program Administrator's (PA) ABAL submitted for program year 2019 through program year 2022 fails to meet the criteria above, including a forecasted portfolio TRC of 1.0 during program years 2019-2022, the PA is to hold a workshop to provide transparency into the associated challenges and receive feedback that would potentially aid the PA in revising its Business Plan pursuant to D.15-10-028 for Commission approval.⁹

C. Contents of this Submittal

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

- Budget, Goals, and Cost-Effectiveness
- Business Plan Revision
- 2021 Forecast Approach

⁵ D.15-10-028, OP 4.

⁶ D.15-10-028, p.43.

⁷ Ibid, p. 59.

⁸ D.18-05-041, p. 133.

⁹ D.18-05-041, pp. 134-135.

- COVID Considerations
- Cost-Effectiveness Challenges
- Portfolio Strategies to Improve Cost-Effectiveness in 2021
- 2021 Program Changes
- Evaluation, Measurement & Verification (EM&V)
- Unspent Funds
- Cost Recovery
- Metrics

In addition to the information above, PG&E's 2021 ABAL includes the following attachments:

- Attachment 1 California Energy Data and Reporting System (CEDARS) Filing Confirmation
- Attachment 2 Program Changes Table
- Attachment 3 Supplemental Budget Tables
- Attachment 4 Appendices¹⁰

III. Discussion

A. Budget, Goals, and Cost-Effectiveness

PG&E proposes a 2021 EE portfolio budget of \$237.7 million. Table 1 provides an overview of PG&E's 2021 forecasted portfolio budget, savings, and cost-effectiveness. The net savings, TRC, Program Administrator Cost (PAC), and Ratepayer Impact (RIM) forecast values exclude market effects. PG&E is forecasting a portfolio that meets the new 2021 savings goals but is not forecasted to be cost-effective in 2021 as the result of a myriad of factors, including but not limited to PG&E's continued portfolio transition in 2021 to an outsourced model, the result of which is the continued ramp-down of existing programs and the ramp-up of new third-party local and statewide programs. PG&E expects its portfolio cost-effectiveness to improve when most existing programs have transitioned out of the portfolio and most new programs are fully ramped up. In addition to the portfolio transition impact on cost-effectiveness, PG&E still faces cost-effectiveness challenges discussed in detail in Section III.E. PG&E is taking steps to address these challenges and improve cost-effectiveness in 2021, as discussed in Section III.F.

¹⁰ Appendix tables include, but are not limited to, the Statewide Program Budgets table and the Caps and Targets table.

¹¹ See Section III.C. for details on PG&E's forecasting approach.

Table 1: PG&E 2021 Forecast Budget and Savings Summary

PG&E PY FORECAST ENERGY SAVINGS (Net)

	D	SAVINGS (Net)		
Sector	Program Year (PY) Budget	kWh	kW	MM- therms
Residential	\$49,928,667	178,135,896	44,668	6.8
Commercial	\$56,625,743	90,210,572	12,868	3.7
Industrial	\$28,941,375	47,017,763	4,031	3.4
Agricultural	\$13,871,803	17,782,872	3,962	0.1
Emerging Tech	\$6,320,066	0	0	0.0
Public	\$16,132,136	14,775,962	1,701	0.2
WE&T	\$8,943,045	0	0	0.0
Finance	\$5,198,652	46,651,867	7,931	0.1
OBF Loan Pool	\$17,000,000	0	0	0.0
PG&E Total Program Savings (w/out C&S)	\$202,961,487	394,574,933	75,161	14.3
CPUC Program	Savings Goal	358,000,000	73,000	14.0
Forecast savings as % of CPUC Program	Savings Goal	110%	103%	102%
Codes and Standards	\$25,253,817	976,402,091	212,619	14.5
PG&E EM&V	\$9,508,971			
PG&E PY Spending Budget Request ^(a)	\$237,724,275			
(LESS) PG&E Estimated Uncommitted and Unspent Carryover Balance (b)	\$10,000,000			
PG&E PY Budget Recovery Request (c)	\$227,724,275			
PG&E Authorized PY Budget Cap (D.18-05-041) (d)	\$374,399,466			
MCE PY Budget Recovery Request (excl. CCA Uncommitted/Unspent Carryover) (e)	\$3,149,880			
RCEA PY Budget Recovery Request (excl. CCA Uncommitted/Unspent Carryover) (f)	\$0			
BayREN PY Budget Recovery Request (excl. CCA Uncommitted/Unspent Carryover) (e)	\$16,610,596			
3C-REN PY Budget Recovery Request (excl. CCA Uncommitted/Unspent Carryover) (e)	\$2,997,903			
Total PA (IOU+CCAs+RENs) Recovery Budget	\$250,482,654			
PG&E Forecast PY TRC (g)	0.89			
PG&E Forecast PY PAC (g)	1.23			
PG&E Forecast PY RIM (g)	0.54			

- (a) This is the amount by which Statewide 25% requirement will be measured and what PG&E intends to spend in the program year, including carryovers.
- (b) The estimated balance of all unspent and uncommitted reflects the total unspent uncommitted for all prior program years up to and through December 31, 2020. These funds are an estimate at the time of this Advice Letter filing and not yet final.
- (c) The amount of funds to be collected (budget recovery) for PY 2021.
- (d) The IOU Authorized PY Budget Cap uses the "Total Program" budget from PG&E's approved Business Plan Table 1.5. This total 2020 business plan budget was unchanged in the budget true-up table presented in PG&E's 2019 ABAL, Second Supplemental Advice 4011-G-B/5375-E-B filed on January 23, 2019 and approved by the CPUC on April 2, 2019.
- (e) Marin Clean Energy (MCE), Bay Area Regional Energy Network (BayREN), and Tri-County Regional Energy Network (3C-REN) 2021 budget recovery requests based on draft 2021 ABAL budgets as presented to the California Energy Efficiency Coordinating Committee (CAEECC) on August 5, 2020, including carryover and 4% EM&V inclusive of CPUC EM&V. These amounts are subject to change upon MCE, BayREN, and 3C-REN 2021 ABAL submissions.
- (f) No 2021 cost recovery for the Redwood Cost Energy Authority (RCEA) is required at this time because PG&E transferred funds from its 2020 budget to RCEA for RCEA's full 3-year program amount, including program year 2021, as approved and directed by Resolution E-5050. Thus, RCEA's 2021 budget recovery request is set at \$0.
- (g) The portfolio TRC, PAC, and RIM presented in this table are lower than the TRC, PAC, and RIM including codes and standards and market effects.

Table 2 provides the TRC test and PAC test forecasts for its 2021 EE portfolio, both with and without the Codes and Standards program benefits. The TRC and PAC estimates exclude market effects.

Table 2: PG&E 2021(a) Cost-Effectiveness Statement

Cost-Effectiveness Scenario	2021 TRC Forecast	2021 PAC Forecast	2021 RIM Forecast
Portfolio without C&S	0.89	1.23	0.54
Portfolio with C&S	1.91	6.38	0.66

⁽a) The 2021 CET User Interface from CEDARS was used to calculate cost-effectiveness.

TRC, PAC, and RIM calculations in Table 2 include costs for:

- Resource and non-resource programs, including Financing and Workforce Education and Training (WE&T) programs;
- EM&V;¹²
- An estimated \$15.6 million for PG&E's ESPI award in 2021;¹³
- Statewide (SW) Marketing, Education and Outreach (ME&O) costs;¹⁴ and
- On-Bill-Financing (OBF) cost of capital.¹⁵

TRC, PAC, and RIM calculations in Table 2 exclude costs for:

- Emerging Technologies (ET) program costs;
- BayREN, 3C-REN, RCEA, and MCE benefits and costs;¹⁶
- Financing costs including credit enhancements approved for the Statewide Financing Pilots in D.13-09-044;
- Administrative costs associated with PG&E's performance of the fiscal agent role for BayREN and 3C-REN:¹⁷
- Energy Savings Assistance (ESA) benefits and costs; and
- Market effects.

CEDARS Discrepancies

The total PG&E portfolio budget, TRC, and PAC values presented in this advice letter contain some discrepancies with the values shown in the CEDARS dashboard for this 2021 filing. These discrepancies are discussed in the sections below and summarized in the Tables 3 and 4 below.

¹⁷ D.19-12-021, OP 5

¹² EM&V costs total 4% of PG&E's EE portfolio budget. See Section III.H. for more details on EM&V.

¹³ PG&E's \$15.6 million ESPI award estimate for 2021 is based on the ESPI reward request to be submitted via advice letter on September 1, 2020.

¹⁴ PG&E is including SW ME&O costs in its TRC calculation per direction on forecasted TRC costs in the EE Policy Manual V6.0 p.26 and D.09-09-047 pp.69-70, 288.

¹⁵ See "OBF Cost of Capital" discussion under this Section III.A.

¹⁶ D.12-11-015.

OBF Loan Pool Budget

PG&E's 2021 OBF loan pool contribution budget of \$17,000,000 is included in PG&E's advice letter total portfolio budget but excluded from total portfolio budget shown in the CEDARS dashboard for the 2021 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, they are funds contributing to PG&E's revolving loan pool that is not captured in portfolio budget through CEDARS expenditures reporting.

PG&E Administrative Support for RENs

PG&E administrative support for RENs comprises a cost that is excluded in PG&E's advice letter TRC and PAC but included from the TRC and PAC on the CEDARS dashboard for the 2021 filing. D.19-12-021 OP 5 requires PG&E to forecast administrative costs necessary to fulfill its role as fiscal agent to the RENs and to consider these costs separately in cost-effectiveness analysis starting in 2021. PG&E set up accounting mechanisms at the end of 2019 to track these costs and will be reporting these expenditures for program year 2020. PG&E has used its 2020 spend to date of \$58,799 for fiscal agent administrative costs through June 2020 (six months) to estimate an annualized cost (12 months) of \$117,598 for this work in program year 2021.

The budget to support these administrative costs is embedded in the total portfolio budget presented in Table 1 and not broken out separately in PG&E's 2021 ABAL forecast on CEDARS. Because PG&E's CEDARS forecast does not include a separate Program ID to capture these REN administrative costs distinct from the rest of its portfolio, these costs were not excluded from the TRC and PAC calculations in CEDARS. The portfolio TRC and PAC shown in Table 2 exclude REN administrative costs as directed by D.19-12-021. The exclusion of these costs does not materially impact the 2021 portfolio TRC and PAC values with or without codes and standards.

OBF Cost of Capital

OBF cost of capital (COC) comprises a cost that is included in PG&E's advice letter TRC and PAC but excluded from the TRC and PAC on the CEDARS dashboard for the 2021 filing. PG&E calculated cost effectiveness for OBF using an approach consistent with PG&E's 2020 Supplemental ABAL and 2019 Second Supplemental ABAL,¹⁸ in which COC is treated as an incentive cost, as these are funds that benefit customers that are not recouped through loan repayments.¹⁹ As described in its 2020 ABAL, PG&E is reducing the cost of capital (COC) incentive amount by the complement of the net-to-

¹⁸ Second Supplemental Advice 4011-G-B/5375-E-B, p.16 and Supplemental Advice 4136-G-A/5627-E-A, p.16.

¹⁹ The cost of capital incentive forecast is a function of the 2021 forecasted OBF loan origination totals (equal to the OBF Alternative Pathway program forecast's gross measure cost total, against which loans will be sized) and a weighted average cost of capital (WACC) estimate of 7.5%.

gross (NTG) value (i.e. 1 - NTG) consistent with Commission policy on the TRC treatment of incentive costs because the COC benefits the non-freerider participants.²⁰ However, the COC is not a program incentive expenditure that appears in CEDARS, unlike the incentives for other programs, and is not a component of the portfolio budget. Thus, the total COC incentive costs of \$220,772 are not included in portfolio data filed on CEDARS, or in the TRC and PAC values calculated on CEDARS as a function of the filling data inputs. The inclusion of these COC incentive costs does not materially impact the 2021 portfolio TRC and PAC values with or without codes and standards.

Table 3: Summary of Advice Letter and CEDARS Discrepancy Sources

Discrepancy	Source	OBF Loan Pool Contribution Budget (\$17,000,000)	OBF COC Incentive Cost (\$220,772)	REN Fiscal Agent Administrative Support Costs (\$117,598)
PG&E Total	CEDARS Dashboard	Excluded	n/a	n/a
Portfolio Budget	Advice Letter	Included	n/a	n/a
PG&E Portfolio TRC and PAC,	CEDARS Dashboard	n/a	Excluded	Included
with and without C&S	with and without		Included	Excluded

Table 4: Summary of 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	\$220,724,275	0.89	1.23	1.91	6.38
Advice Letter	\$237,724,275	0.89	1.23	1.91	6.38

⁽a) No discrepancies in TRC and PAC values are apparent between the CEDARS dashboard and the advice letter 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.

B. Business Plan Revision

As noted in Section III.A, PG&E forecasts a portfolio TRC of less than 1.0 without C&S or market effects for 2021, which triggers the requirement for PG&E to file a new business plan application per D.15-10-028, OP 2. PG&E triggered a new business plan application filing with its 2020 ABAL filed in 2019, in which it forecast a portfolio TRC of less than 1.0

²⁰ D.07-09-043 describes the role of NTG in the TRC calculation of net participant costs, with detailed TRC cost calculations showing the derivation of incentives x (1-NTG) in D.07-09-043 Attachment 9.

without C&S or market effects. PG&E is not filing a new Business Plan application on September 1, 2020 because the CPUC has directed PG&E and the other California PAs to submit revised business plan applications on September 1, 2021, which will include considerations regarding the COVID-19 pandemic.²¹

C. Forecast Approach

PG&E's 2021 ABAL reflects its continued focus on transitioning its portfolio to a predominantly third-party outsourced portfolio. This forecast assumes PG&E will achieve the 40% outsourcing target by December 31, 2020.²² 2021 will be a year of transition, focusing on ramping down any remaining non-third-party qualified programs and ramping up new local and SW programs.

New Local Programs

PG&E signed new local programs across all five sectors (Industrial, Agricultural, Public, Commercial, and Residential) through the first wave of PG&E's local multi-sector third-party solicitation. The Industrial, Agricultural, and Public sectors are fully covered, while coverage for the commercial and residential sectors will be addressed in the second wave of PG&E's local multi-sector third-party solicitation that is currently underway. Because commercial and residential sector program contracts are still pending, this 2021 ABAL filing includes placeholder forecasts for new local programs in the commercial and residential sectors. Local Government Partnership (LGP) non-resource programs launched in July 2020 to support local governments, especially those serving HTR and DAC, as well as resource acquisition programs in the Public sector and are included in this 2021 forecast. All new local program forecasts for these sectors incorporate forecasts submitted by third parties that were awarded contracts through PG&E's solicitations. Third parties will have a greater responsibility to deliver verifiable and persistent energy savings and understand and abide by all policies and regulations that govern energy-efficiency programs and platforms.

New Statewide Programs

For SW programs, this 2021 ABAL forecast relies on forecasts provided by Lead PAs for programs in which PG&E is a funding PA, and includes PG&E-developed forecasts for those in which PG&E is the Lead PA. PG&E is the Lead PA for the following SW programs:

- Codes & Standards Advocacy (National, State Appliances, and Building Codes)
- New Construction (Residential and Non-Residential)
- Institutional Partnerships State of California
- Workforce Education & Training (WE&T) Career & Workforce Readiness
- Workforce Education & Training (WE&T) Career Connections

²¹ Amended Scoping Ruling Addressing Impacts of COVID-19 (Amended Scoping Ruling), issued July 3, 2020.

²² D.18-01-004, OP 1

New Codes & Standards' National and State Appliance Advocacy programs launched in 2020, while a new Codes & Standards' Building Codes Advocacy program launched in 2019. The remaining PG&E-led SW programs are expected to launch in 2021.

While PG&E is the largest proportional load share contributor amongst the IOUs for SW programs, it is only the lead for two resource-acquisition SW programs²³ and therefore will be reliant on the other IOU Lead PAs to deliver cost-effective savings through their third-party implemented programs. PG&E will fund statewide programs as required²⁴ and therefore will receive energy savings credit based on this funding contribution. SW programs account for approximately 13.5% of the 2021 portfolio budget (excluding C&S, portfolio administrator costs and OBF loan pool) but 6% of PG&E's 2021 first-year net kWh savings forecast (excluding C&S), and approximately 12% PG&E's 2021 first-year net therm savings forecast (excluding C&S).

Existing Programs

This 2021 ABAL forecast includes the following existing programs in Table 5 that qualify under the new third-party definition.²⁵

Table 5: Existing Programs that Qualify Under the New Third-Party Definition^(a)

2021 Program ID ^(a)	2021 Program Description (b)	Corresponding 2020 Program ID	Corresponding 2020 Program Description
PGE_Res_001a	Pay for Performance – Comfortable Home Rebates		
PGE_Res_001b	Pay for Performance – Home Intel	PGE210010	Pay for Performance Pilot
PGE_Res_001c	Pay for Performance – Home Energy Rewards	FGEZ10010	ray ioi renomiance rnot
PGE_Res_001d	Pay for Performance – Home Energy Optimization		
PGE_Res_002a	Residential Energy Advisor – Home Energy Check-Ups	PGF21001	Decidential Energy Advisor
PGE_Res_002c	Residential Energy Advisor – Home Energy Reports	PGE21001	Residential Energy Advisor
PGE210212	Compressed Air and Vacuum Optimization Program (aka Industrial Compressed Air Systems Efficiency, or iCASE)	PGE210212	Compressed Air and Vacuum Optimization Program (aka Industrial Compressed Air Systems Efficiency, or iCASE)
PGE_SW_CSA_App	State Appliance Standards Advocacy	PGE_SW_CSA_App	State Appliance Standards Advocacy
PGE_SW_CSA_Bldg	State Building Codes Advocacy	PGE_SW_CSA_Bldg	State Building Codes Advocacy
PGE_SW_CSA_Natl	National Codes & Standards Advocacy	PGE_SW_CSA_Natl	National Codes & Standards Advocacy

²³ New Construction and Institutional Partnerships (State of California and Department of Corrections and Rehabilitation).

²⁴ D.18-05-41, OP 22.

²⁵ D.16-08-019, OP 10

(a) "Existing programs" in this table refers to programs that were operating in 2020 and will continue to operate in 2021. New Codes & Standards National and State Appliance Standards Advocacy contracts awarded via Solicitation in Q1 2020 and therefore are existing programs that will continue into 2021. New State Building Codes Advocacy contracts were awarded in 2019 and will continue into 2021.

(b) The 2020 Pay for Performance Pilot program (PGE210010) is broken out into four separate Program IDs for each implementer (PGE_Res_001a, PGE_Res_001b, PGE_Res_001c, and PGE_Res_001d) for the 2021 ABAL filing. Similarly, the 2020 Residential Energy Advisor Program (PGE21001) is broken out into three separate Program IDs for each subprogram (PGE_Res_002a, PGE_Res_002b, and PGE_Res_002c) for the 2021 ABAL filing. Only programs PGE_Res_002a for Home Energy Check-Ups and PGE_Res_002c for Home Energy Reports are included in this table. See Section III.G. of this advice letter for more details on Program ID changes resulting from Program ID Reorganization.

This forecast also includes existing non-third-party qualifying programs (both PG&E-implemented and vendor-implemented programs). PG&E is extending and continuing budget for select vendor-implemented existing programs to ensure portfolio flexibility to address impacts from the COVID-19 pandemic and ensure customer coverage until the new local and SW programs ramp up in 2021 or beyond. PG&E-implemented programs remain in the portfolio in 2021 to close out existing pipelines of already committed customer projects or to serve customers who may not be served by one of the third party implemented programs.

PG&E is also forecasting the continuation of the Home Energy Reports behavioral program offering of the Residential Energy Advisor program for part of 2021. While a new residential behavioral program is expected to be under contract by the end of 2020 and launch in 2021, replacing the current Home Energy Reports program, PG&E anticipates its current Home Energy Reports program to operate in 2021 before the new program ramps up. As discussed under the 2021 Program Changes of this advice letter (Section III.G), PG&E will be splitting up its 2020 Residential Energy Advisor Program ID (PGE21001) into three separate Program IDs for 2021 to distinguish among distinct Residential Energy Advisor program offerings; these new 2021 Program IDs are listed in Table 12 of Section III.G. One of these new 2021 Program IDs (PGE Res 002c) will cover the Home Energy Reports component of the Residential Energy Advisor program, 26 for which program activity is forecasted for at least the first quarter of 2021. PG&E has also included a placeholder forecast for the new third-party residential program that has yet to be contracted, but will be operating in 2021, captured under a third-party residential placeholder Program ID (PGE_3P_Res). The forecasts for the existing Home Energy Reports program (PGE Res 002c) and the new residential behavioral placeholder (PGE_3P_Res) reflect the expected transition from the existing to the new residential behavioral program.

²⁶ Per Table 12 in Section III.G., the new 2021 Program ID for the Home Energy Reports component of the 2020 Residential Energy Advisor program will be "PGE_Res_002c" with the accompanying 2021 program name "Residential Energy Advisor - Home Energy Reports".

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D. COVID-19 Considerations

PG&E developed this 2021 ABAL forecast amidst a period of unprecedented economic and market uncertainty due to the global pandemic caused by COVID-19. While it is impossible to confidently predict the precise impact of the pandemic on PG&E's EE portfolio or individual customer sectors, PG&E observed the following trends in the residential and non-residential sectors of its EE portfolio and has adjusted some of its approaches to customer engagement as a result. Because the extent and duration of the impact of the COVID-19 global pandemic is uncertain, PG&E will strive to remain flexible in its COVID-19 response.

Residential Trends

Since Governor Newsom issued the statewide Shelter-in-Place (SIP) order on March 19, 2020, residential energy usage increased as Californians stayed home. Based on a July 2020 report by the California Energy Commission, residential energy usage increased by approximately 15% year-to-date compared to the same period in 2019. ²⁷ As a result, residential customers want tips on how to save energy and information on home energy usage, high bill alerts, and EE programs. ²⁸ PG&E's residential sector savings continue to be driven by behavioral programs which, to date, have not seen a decline in forecasted savings due to the pandemic. SIP poses a challenge to completing certain program installations, such as for direct install (DI) programs. As cities and counties reopen in California, customers and contractors continue to observe local and state guidelines to ensure that safe installations can occur. In this period of uncertainty and economic downturn, the needs of Hard-to-reach (HTR) and Disadvantaged Communities (DAC) may be more pronounced as the economic impacts are likely most heavily felt by those communities.

Residential Actions

In 2020, in recognition of the shift in the way residential customers are using energy, PG&E worked both internally and with third-party residential program implementers on several actions that are expected to continue in some capacity into 2021 and are reflected in this 2021 ABAL forecast. These actions include increased communications with regular COVID-19 support emails approximately every 10-20 days, which are sent to roughly 3.3 million customers. PG&E's COVID-19 Customer Support Outreach highlights billing and service modifications, safety tips, financial assistance programs, online tools for energy use, and low- or no-cost energy-efficiency programs and energy-savings tips. PG&E expanded the number of customers receiving Home Energy Reports (HERs), adding 160,000 customers. HERs now serves a total of 1.8 million customers, which consists of approximately 40% income-qualified customers and 60% non-income qualified customers. PG&E also plans to add a new feature to the HERs program called Bill Forecast Alerts (BFAs) that will alert customers who reach a certain billing or energy

²⁷ https://www.energy.ca.gov/sites/default/files/2020-07/Energy%20Insights_FINAL%2007-17-2020.pdf

²⁸ Oracle Customer Survey, May 2020.

usage threshold and provide behavioral tips to reduce their usage. PG&E believes that these expansions of HERs will support customers impacted by COVID-19 while also driving cost-effective savings for the portfolio.

Additionally, PG&E expanded the service area for one of its Residential Pay-for-Performance Programs, the Home Energy Rewards program, from serving two counties to PG&E's entire service area. This program provides free energy kits to customers and a significantly reduced price for smart thermostats, among other benefits.

Non-Residential Trends

As Californians stayed home with the March 2019 SIP order and electricity consumption shifted from non-residential to residential, the impact to non-residential industries varied based upon factors such as their designation as an "essential" business, or the level of vulnerability to the impacts of decreased in-person business activities.

The economic impact to "essential" businesses such as grocery stores, laboratories, data centers, and communications has been positive, given that these businesses remain open and have seen an increase in demand. However, many businesses whose models are heavily reliant on in-person business activities such as hospitality, restaurants, retail, etc. - that are not deemed "essential" - have been negatively impacted, triggering additional economic hardship for the businesses as well as the individuals who are now unemployed in these industries.²⁹ These economic forces are severely impacting demand, discretionary spending, and supply chains, and may force some businesses to transform their business models. The uncertain future for many businesses increases the perceived risk from financial institutions that provide access to capital, resulting in higher costs for those businesses to borrow money as well as impacts to their ability or desire to spend available capital on EE projects.

Before Governor Newsom's recently enacted revised budget, there was a projected \$54 billion budget deficit due to sharply reduced state revenues, increased costs in health and human services programs, and added costs to address COVID-19.30 The enacted budget places an emphasis on public health and safety, and promotes economic recovery, particularly for small businesses. With critical federal funding to aid state and local governments still uncertain, there is a trickle-down impact to areas reliant on this funding such as K-12 schools and higher education, particularly for EE investments.

²⁹ As of June 2020, California's unemployment rate of 14.9%, while lower than the record high of 16.4% in May 2020, is still far higher than the 12.3% during the height of the Great Recession in 2010. More information accessible via https://www.edd.ca.gov/newsroom/unemployment-july-2020.htm.

³⁰ http://www.ebudget.ca.gov/2020-21/pdf/Enacted/BudgetSummary/FullBudgetSummary.pdf

Non-Residential Actions

On March 16, 2020, seven Bay Area jurisdictions³¹ enacted stay-at-home orders beginning March 17, 2020. On March 20, 2020 PG&E's EE programs issued "stop work" orders to contractors providing home and other in-person EE and weatherization upgrades in alignment with the statewide SIP guidelines. On June 1, 2020, based on State and CPUC guidance, PG&E's EE Programs resumed in-person work in accordance with local and state SIP guidelines, requiring contracted implementers to obtain written customer authorization to visit their site, and document and adhere to State and local safety guidance - whichever is more restrictive. PG&E is prepared to take similar action and re-instate a pause to EE programs should conditions warrant such a response. Going forward, PG&E will continue to prioritize the health and safety of is customers, employees, and contractors, while actively monitoring performance across its portfolio.

Given the financial and capital constraints that many businesses are experiencing, PG&E's financing programs such as On-Bill Financing (OBF) offer non-residential customers increased access to affordable capital to invest in EE upgrades to their businesses without upfront capital, while remaining cash flow neutral. Unlike traditional rebate and incentive programs where a customer must otherwise have the capital to invest in the project, financing offers customers the ability to make an EE investment when they may not have otherwise been able to make one. OBF uses a revolving loan pool: as OBF funds are repaid, they are re-issued in the form of new loans with new projects, providing greater leverage for ratepayer funds. This structure enables the continued investment in EE projects without significant impacts to the EE portfolio budget and budget recovery request.

PG&E is requesting an increase of \$3,500,000 in the OBF loan pool contribution relative to the 2020 ABAL for a total of \$17,000,000 to ensure that the revolving loan pool is sufficiently funded to accommodate the potential for increased demand. For example, local governments will continue to have a role to play in helping California achieve its ambitious climate goals, and many have Climate Action Plans that they will still need to pursue while managing within the global pandemic. The increases to PG&E's OBF loan pool and the potential to make loans of up to \$4,000,000 available, by exception, for projects with unique energy savings opportunities,³² can be leveraged to support these local governments pursue activities within their respective Climate Action Plans.

To support customers in this challenging economic landscape, PG&E anticipates the potential for increased budget for the same/similar levels of savings for programs that would be achieved in the absence of the pandemic. As noted in Section III.C, this 2021 ABAL forecast includes existing program extensions to ensure portfolio flexibility to address impacts from the COVID-19 pandemic.

³¹ Jurisdictions include Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Santa Clara counties, and City of Berkeley.

³² D.19-03-001, p. 2.

E. Cost-Effectiveness Challenges

As noted in Section III.A, PG&E is forecasting a portfolio TRC of 0.89 without C&S or market effects for 2021. PG&E's 2021 portfolio reflects a 25% increase in cost-effectiveness relative to its 2020 ABAL forecasted TRC of 0.71 without C&S or market effects.³³ However, PG&E's portfolio still faces cost-effectiveness challenges including the diminished availability of high-volume measures with positive net benefits, the downward trend of avoided costs, the inclusion of non-resource programs and costs in PG&E's portfolio that must be offset by resource program benefits, and the exclusion of C&S from the threshold TRC and PAC tests. As a result of the cost-effectiveness challenges below, PG&E is not forecasting a cost-effective portfolio in 2021. In addition, PG&E's portfolio cost-effectiveness may likely be further impacted by COVID-19 pandemic uncertainty during portfolio implementation.

Diminished Availability of High-Volume, Positive-Net-Benefit Measures

PG&E's recent portfolios through 2019 were heavily reliant on programs such as Primary Lighting to contribute significant, positive net benefits.³⁴ Historically, these high-volume measures with positive net benefits have been critical to bringing in enough portfolio TRC benefits to offset the multitude of TRC costs in the portfolio. While the Residential Lighting savings potential and associated positive net benefits were eliminated from incentive programs, these savings have been absorbed by the C&S programs. The C&S absorption of measures that were previously highly cost-effective in incentive programs has outpaced the creation of cost-effective opportunities in incentive programs. This has contributed to the challenges in achieving a cost-effective portfolio without the inclusion of C&S benefits.

Downward Trend of Electric Avoided Costs

Electric avoided costs comprise a majority of PG&E's energy-efficiency portfolio benefits, and the downward trend in the value of electric avoided cost benefits since 2017 has presented a significant challenge to achieving a cost-effective portfolio. Although average electric avoided cost benefits have increased with the 2020 avoided cost update³⁵ relative to the 2019 avoided cost update, mid-day electric avoided cost benefits have decreased substantially relative to pre-2017 avoided costs, resulting in fewer avoided cost benefits realized for a given kilowatt-hour of electricity saved in the EE portfolio.

Non-Resource and "Policy-Driven" Programs

The IOUs are expected to fund activities outside of EE resource acquisition such as non-resource (e.g. workforce education and training) and policy programs focused on policy

Advice 4136-G/5627-E filed September 3, 2020, and Advice 4136-G-A/5627-E-A, filed November 15, 2019. Non-standard disposition of Advice 4136-G/5627-E and Advice 4136-G-A/5627-E-A dated December 20, 2019 and issued on December 24, 2019.

³⁴ Net TRC Benefits = Benefits – TRC Costs.

³⁵ Resolution E-5077 adopted updates to the avoided cost calculator for use in demand-side distributed energy resources cost-effectiveness analyses.

objectives (e.g. social equity programs such as those aimed at serving HTR, DAC and market transformation programs designed to achieve long-term EE savings impacts in support of state climate goals). However, these programs do not produce immediately quantifiable cost-effective savings while contributing to portfolio costs in the threshold portfolio TRC calculation. EE portfolios are expected to fund these activities in addition to programs focused on EE resource acquisition, while also cost-effectively delivering on energy savings goals within budget.³⁶ However, non-resource programs may not necessarily play any role in achieving cost-effective energy savings goals because they do not provide direct energy savings and only have costs, yet frequently provide necessary support to resource programs.³⁷

Exclusion of C&S from Threshold TRC and PAC Tests

Another challenge in meeting portfolio cost-effectiveness goals is that savings from C&S activities are not included in the threshold portfolio TRC and PAC tests. When the Commission confirmed the exclusion of C&S from the threshold TRC and PAC tests in 2012,³⁸ C&S composed a small part of the EE portfolio, but that is no longer the case. After years of effective advocacy for C&S by the PAs, many measures have successfully led to implementation through C&S. For example, C&S savings accounted for only 9% of total savings in the 2006 – 2008 program cycle;³⁹ however, C&S savings were forecasted to be 63% of first-year net GWh for the 2020 statewide portfolio.⁴⁰ The role of C&S as a "bonus" contributor to the overall EE portfolio no longer reflects the magnitude of savings and benefits that C&S delivers relative to the rest of the EE portfolio. PG&E has recognized C&S as one of the most cost-effective channels for EE interventions and has invested accordingly; however, this disparity between the C&S and non-C&S portfolios will grow as a result of this investment. Thus, the more successful PG&E is at using C&S to drive savings at lower cost, the more challenging it is for the remaining portfolio to be cost-effective.

F. Portfolio Strategies to Improve Cost-Effectiveness in 2021

Portfolio Management and Balancing

PG&E pursues portfolio management tactics to address cost-effectiveness in its portfolio. PG&E emphasizes cost-effective programs and encourages innovative and market-driven solutions through its third-party solicitations. As PG&E transitions its portfolio towards the 60% outsourcing target by the end of 2022,⁴¹ it has prioritized the introduction

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³⁶ D.18-05-041 Findings of Fact 16.

³⁷ D.12-05-015, p.11

³⁸ D.12-11-015, p.99.

³⁹ D.12-05-015, p. 85.

⁴⁰ Budget Filing Detailed Report for program year 2020, downloadable from the CPUC's CEDARS website.

⁴¹ D. 18-01-004, OP 1

of new local and statewide third-party programs over maintaining existing programs. In order to optimize and balance the portfolio, PG&E also manages budget allocations for activities outside of EE resource acquisition to mitigate against the negative net benefits incurred by these expenditures in the portfolio. Lastly, PG&E intends to monitor the impact of its statewide programs on cost-effectiveness.

As noted in Section III.C, while PG&E is the largest proportional load share contributor amongst the IOUs for statewide programs, it is only the lead for two resource-acquisition statewide programs,⁴² and therefore will be reliant on the other Lead IOUs to deliver cost-effective savings through their third-party implemented programs. PG&E will fund statewide programs as required⁴³ and therefore receive energy savings credit based on this funding contribution. Should those programs underperform, PG&E will need to rebalance and adjust for that underperformance within the program year by relying more on its local resource programs. Or, in the event that they overperform, this may enable PG&E to rely less on its local resource programs.

In addition to the non-resource programs mentioned above, PG&E's portfolio administrator costs required to run its EE portfolio are included in the threshold portfolio TRC calculation and must be offset by resource-acquisition program benefits. PG&E is committed to continuing to thoughtfully manage its portfolio administrator costs, as demonstrated by the 30% reduction in total portfolio administrator costs between 2018 and 2021.44 As PG&E's portfolio begins its transition to a predominantly outsourced portfolio, as portfolio administrator, PG&E will 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 will retain portfolio-related costs associated with program/portfolio administration responsibilities that align with PG&E's regulatory and fiduciary responsibilities as stewards of ratepayer funds, as well as those portfolio administration 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; evaluation, measurement and verification (EM&V) support; and IT investments.

Program-related portfolio administrator costs are those that more directly support programs within PG&E's portfolio and vary based upon the number or scale of programs. Examples of these costs include roles such as engineering reviews, quality assurance

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⁴² New Construction and Institutional Partnerships (State of CA, Department of General Services, and Department of Corrections and Rehabilitation)

⁴³ D.18-05-41 OP 22.

⁴⁴ PG&E's portfolio administrator costs are comprised of the functional groups in Attachment 3, Appendix I.A.5, excluding third-party implementer contract costs, local government partnership contract costs, program implementation non-labor costs, and incentive costs.

and quality control (QA/QC), contract management, account management/sales and marketing, education, and outreach (ME&O). Starting in 2021, when possible, PG&E will be tracking program-related costs as direct charges to individual programs to more accurately allocate program-related portfolio administrator costs to the specific program supported by PG&E staff.

Responding to Changing Market and Regulatory Conditions

Many of the market and regulatory conditions under which PG&E's EE portfolio operates are outside of its control. Thus, PG&E is focusing on opportunities relatively within its control to respond to those inevitable changing conditions. PG&E will continue to actively participate in regulatory proceedings that may be impactful to cost effectiveness and long-term success of the EE portfolio. Additionally, in anticipation of (a) market or regulatory conditions that may substantially impact programs, and (b) opportunities to monitor ongoing program performance, PG&E will continue annual program reviews and will realign programs as necessary. Lastly, as customers seek on-bill financing support for their projects amidst the current economic uncertainty, PG&E has instituted cost-effectiveness requirements for large on-bill financing projects to help balance customer and portfolio cost-effectiveness needs.

Portfolio Administrator Activities

Acting as a portfolio administrator of a majority-outsourced portfolio necessitates strong QA/QC in the selection of those third-party programs via solicitations and for program performance once launched. PG&E will continue to provide critical oversight activities to ensure that ratepayer funds are prudently used. PG&E will ensure that savings claims of third-party implementers are reasonable, accurate, and in compliance with CPUC policy. PG&E expects this responsibility to increase with the expansion of third-party implemented programs. QA/QC program performance and ex ante/ex post alignment. Additionally, PG&E is aligning stakeholder interests on cost-effective offerings and projects through contract terms that encourage performance-based payments. To facilitate this, PG&E is investing in IT system changes to enable effective contract management.

G. 2021 Program Changes

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 first major third-party program outsourcing milestone requirement as of June 30, 2020,⁴⁵ with 25% of its EE portfolio budget now under contract to third-party implementers pending Commission review of PG&E's Tier 2 advice letters seeking approval of new third-party contracts valued at \$5 million or more and/or with a contract duration longer than three years.⁴⁶ The portfolio

⁴⁵ D.18-05-041, OP4.

⁴⁶ D.18-01-004, OP 5.

balancing necessary to onboard these new programs, which are expected to support PG&E's portfolio cost-effectiveness goals, requires the ramp down and closure of existing programs. ⁴⁷

The program budget changes described in the section reflect budgets that changed by 40% or more relative to program budgets approved in its 2020 ABAL in accordance with D.18-05-041 OP 41 and section 7.2.⁴⁸ Program changes and closures are detailed in the following sections and summarized in Attachment 2 to this advice letter.

Programs to be closed immediately with the disposition of the 2021 ABAL

PG&E intends to close fourteen existing programs starting in 2021, pending the disposition of this advice letter. These programs, shown in Table 6 below, are closing as a result of overlap with the new local third-party and/or statewide programs that are expected to be active in 2021, and to make room in the portfolio for new programs that qualify under the new third-party definition.⁴⁹ These programs are not included in PG&E's 2021 ABAL CEDARS filing.

Table 6: Programs to be Closed Immediately with the Disposition of the 2021 ABAL

Program ID	Program Name	Closure Date
PGE21008	Enhance Time Delay Relay	12/2020
PGE210011	Residential Energy Fitness Program	12/2020
PGE21003	Multifamily Energy Efficiency Program	12/2020
PGE21009	Direct Install for Manufactured and Mobile Homes	12/2020
PGE210112	School Energy Efficiency	12/2020
PGE210123	Healthcare Energy Efficiency Program	12/2020
PGE210135	Water Infrastructure and System Efficiency (WISE)	12/2020
PGE21015	Commercial HVAC	12/2020
PGE21018	EnergySmart Grocer Program	12/2020
PGE21026	Energy Efficiency Services for Oil Production	12/2020
PGE210311	Process Wastewater Treatment Energy Management Program for Ag Food Processing	12/2020
PGE210312	Dairy and Winery Industry Efficiency Solutions	12/2020

⁴⁷ For the purposes of this 2021 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 2021 and beyond, in order to meet outstanding program commitments and complete project pipelines in place prior to closure.

⁴⁸ See Attachment 4, Appendix Table 4 for the 2021 budgets associated with these programs.

⁴⁹ D.16-08-019, OP 10.

PGE21039	Comprehensive Food Process Audit & Resource Efficiency (CFP)	12/2020
PGE2110052	Strategic Energy Resources	12/2020
PGE21061	Technology Development Support	12/2020
PGE21076	Career and Workforce Readiness (a)	12/2020
PGE21041	Primary Lighting	12/2019 ^(b)
PGE21042	Lighting Innovation	12/2019 ^(b)
PGE21051	Building Codes Advocacy	12/2020 ^(c)
PGE21052	Appliance Standards Advocacy	12/2020 ^(c)
PGE21057	National Codes and Standards Advocacy	12/2020 ^(c)

- (a) The Career and Workforce Readiness program had no program expenditures in PY2019 and has no program expenditures to date in PY2020. This program was set up in 2019 in anticipation of supporting the launch of the SW WE&T Career and Workforce Readiness program that was ultimately delayed until 2021. This program is being sunset now that the new SW WE&T Career and Workforce Readiness program is launching in 2021 (see Table 10 below).
- (b) The Primary Lighting Program (PGE21041) and Lighting Innovation Program (PGE21042) ceased program activity at the end of 2019, however there were residual expenditures in early 2020. In 2019, the Primary Lighting Program was an upstream lighting program focused primarily on incentivizing the manufacture of advanced lightemitting diodes (LEDs). D.19-08-034 adopted goals that updated the baseline for residential lighting to LEDs effective January 1, 2020, significantly reducing the cost-effective savings potential for this program. PG&E indicated in its 2020 ABAL that no program activities were expected for the Primary Lighting Program in 2020, but did not formally close the program until Southern California Edison (SCE) as the SW Lead closed its Primary Lighting Program, which was signaled in its 2020 ABAL (Advice 4068-E). The Lighting Innovation Program was a non-resource program that evaluated products or program approaches new to the lighting market for eventual transfer to EE portfolios. PG&E completed its last trial study for this Program in 2019 and requests to formally close this program via this advice letter, following the SW lighting lead SCE in its closure of the Lighting Innovation Program in its 2019 ABAL (Advice 3859-E). Any future research on advanced lighting can be administered via the Emerging Technologies Program. A new SW lighting program is launching in 2021; see program PGE_SW_UL in Table 10 of this advice letter.
- (c) The C&S Building Codes Advocacy program (PGE21051), Appliance Standards Advocacy program (PGE21052), and National Codes and Standards Advocacy program (PGE20157) are being replaced by the new statewide programs PGE_SW_CSA_Bldg, PGE_SW_CSA_App, and PGE_SW_CSA_Natl, respectively. These new SW programs are shown in Table 8.

Additionally, PG&E notes that activities from the Energy Upgrade California program (PGE21004, known as Advanced Home Upgrade) and the Residential HVAC program (PGE21006) were moved to the Residential Pay for Performance program, which includes similar offerings and opportunities for operational efficiencies as a result of the consolidation. The Program IDs for these programs will be retired in CEDARS, however the program activities will continue under the additional program as described. See the section below titled "Program ID Changes Resulting from Program ID Reorganization" for more details on this transition.

Programs to be Closed Upon Completion of Commitments

PG&E's 2021 ABAL forecast includes budgets for many programs that it plans to close upon completion of program commitments, notwithstanding any unforeseen impacts or customer needs associated with the COVID-19 pandemic. The programs are in the

process of ramping down, in most cases as a result of overlap with new, local third-party programs and/or statewide programs ramping up in 2021.

Table 7: Programs to be Closed Upon Completion of Commitments

Program ID	Program Name	% Budget Change from 2020	Reason for Closure	Contract Extension Date	Explanation
PGE2110051	Local Government Energy Action Resources (LGEAR)	-72%	New local third- party and/or statewide program overlap	09/2021	Previous Energy Watch programs, funded through LGEAR, will ramp down and close direct install programs by the end of 2020, but select contracts have been extended into 2021 to gap-fill for incoming third-party programs.
PGE210210	Industrial Retro- commissioning Program	+6%	New local third- party and/or statewide program overlap	2021 (Month TBD)	Finishing existing pipeline and ramping down in anticipation of new third-party program overlap.
PGE21036	Industrial Refrigeration Performance Plus (IRPP)	N/A ^(a)	Low savings achievement	2021 (Month TBD)	PG&E's 2019 EE Annual Report filed May 1, 2020 noted this program was expected to ramp down and close by 2021. Budget ramp-down for closing out project costs was also mentioned in PG&E's 2019 and 2020 ABALs as well as Appendix B of PG&E's 2020 ABAL workshop presentation. (a)
PGE211025	Savings by Design	+10%	New local third- party and/or statewide program overlap	n/a ^(b)	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications.
PGE210143	Hospitality Program ^(c)	+21%	New local third- party and/or statewide program overlap	06/2021	New local Commercial resource program(s) are expected to replace this program upon launch in mid-2021. Extended into 2021 to ensure customer coverage due to COVID-19 impacts.
PGE21027	Heavy Industry Energy Efficiency Program	-66%	New local third- party and/or statewide program overlap	2021 (Month TBD)	Ramping down in anticipation of new third-party program overlap.
PGE21092	Third-Party Financing	0% ^(d)	No future program spending expected	2021 or 2022 (Month and Year TBD)	Contract still in place for management of remaining third-party loan pool, however no 2021 spend expected.
PGE21005	Residential New Construction - California Advanced Homes Program	-59%	New local third- party and/or statewide program overlap	12/2021	This program will be replaced by a new SW Residential New Construction program. Per notes in PG&E AL 4270-G/5867-E, the Advanced Energy Rebuild portion of this program will close to new applications at the end of 2020, with existing project pipeline to complete in 2021.
PGE2110011	California Community Colleges	+73%	New local third- party and/or statewide program overlap	2022 (Month TBD)	Increased budget to finish large existing projects continuing into 2021 or 2022. Ramping down in anticipation of new SW program overlap.
PGE2110012	University of California/Calif-	+363%	New local third- party and/or	2022 (Month TBD)	Increased budget to finish large existing projects continuing into 2021 or 2022.

	ornia State University		statewide program overlap		Ramping down in anticipation of new SW program overlap.
PGE2110013	State of California	+24%	New local third- party and/or statewide program overlap	,	Increased budget to finish large existing projects continuing into 2021. Ramping down in anticipation of new SW program overlap.
PGE2110014	Department of Corrections and Rehabilitation	+53%	New local third- party and/or statewide program overlap	2021 (Month TBD)	Increased budget to finish large existing projects continuing into 2021. Ramping down in anticipation of new SW program overlap.

(a) The IRPP budget change is shown as "N/A" because \$0 were forecast for the 2020 ABAL, and approximately \$25k is forecasted for 2021. The long project close-out process has resulted in final project costs occurring in 2021 despite \$0 budget in 2020 as noted in PG&E's 2020 ABAL, Advice 4136-G-A/5627-E-A, p.18. PG&E's 2020 ABAL workshop presentation Appendix B also noted this program would "close upon completion of commitments" (presentation distributed to the EE service lists R.13-11-005 and A.17-01-013 on May 6, 2020). Lastly, PG&E's 2019 ABAL discussed a planned sunset of this program in Advice 4011-G/5373-E p.27, and via second supplemental Advice 4011-G-B/5373-E p.3 noted this program was forecasted with continued 2019 budget to enable a small number of project completions.

- (b) The Savings by Design program does not have an implementer contract, thus this field is marked as "n/a"; however, the program ramp-down is expected to be complete by 2022.
- (c) The Hospitality Program primarily serves the hospitality sector but has evolved over the past three years to also serve grocery, small retail, office, and restaurant sectors as well. While the hospitality sector has been heavily impacted by COVID-19, other sectors have contributed to the remaining program pipeline. This program will be closing upon completion of its committed projects and is expected to sunset in June of 2021. The program name is not adjusted in the table above due to the cost to implement this change. The 2021 forecast reflects a budget increase from the 2020 ABAL, however due to incrementally cost-effective savings opportunities in 2020, the program's funding increased relative to the 2020 ABAL program forecast. The 2021 ABAL budget is a reduction relative to the 2020 operational budget.
- (d) The Third-Party Financing program budget change is shown as "0%" because \$0 were forecasted for the 2020 ABAL, and \$0 are forecasted for the 2021 ABAL. While no spend is anticipated in 2021 for this program, the Program ID will remain "active" in 2021 because there is currently an active third-party contract in place for the management of third-party loan pool funds, and future spend is possible in this program but will be handled through fund-shifting if needed. PG&E's 2020 ABAL workshop presentation Appendix B also noted this program would "close upon completion of commitments" (presentation distributed to the EE service lists R.13-11-005 and A.17-01-013 on May 6, 2020).

Programs with Budget Changes of 40% or More Relative to the 2020 ABAL

Several programs have 2021 budgets that have decreased by 40% or more relative to PG&E's 2020 ABAL, shown in Table 8 below. The first three programs in this table, as noted in the explanation column, are PG&E-implemented and will continue to operate through the duration of 2021 to fill portfolio gaps and support customer needs as the portfolio ramps up new third-party local and statewide programs. These PG&E-implemented programs will eventually close in future program years, which will be signaled in PG&E's 2022 ABAL and/or 2023-2026 Business Plan application to be filed on September 1, 2021.

Table 8: Programs with Budgets Decreased by 40% or More

Program ID	Program Name	% Budget Change from 2020	Driver of Budget Reduction	Explanation
PGE21002	Residential Energy Efficiency	-83%	New local third- party and/or statewide program overlap	Ramping down due to overlap with SW Plug Load and Appliance program (PGE_SW_PLA). Program will operate through the majority of 2021. Future closure for this PG&E-implemented program may be signaled in 2022 ABAL depending on portfolio needs.

PGE21012	Commercial Deemed Incentives	-54%	New local third- party and/or statewide program overlap	Ramping down while fulfilling existing project commitments and gap-filling for new third-party programs. Program will operate through duration of 2021. Future closure for this PG&E-implemented program may be signaled in 2022 ABAL depending on portfolio needs.
PGE21034	Agricultural Energy Advisor	-88%	New local third- party and/or statewide program overlap	The Advanced Pumping Energy Efficiency Program (APEP) component of this subprogram is moving under Integrated Energy Education and Training (PGE21071) to align non-resource program activities. Program will operate through duration of 2021. Future closure for this PG&E-implemented program may be signaled in 2022 ABAL depending on portfolio needs.
PGE21062	Technology Assessments	-53%	New local third- party and/or statewide program overlap	Ramping down due to overlap with SW Emerging Technologies Program (PGE_SW_ETP_Gas) and in anticipation of new SW electric Emerging Technologies program.

Table 9 shows programs with 2021 budgets that increased by 40% or more relative to PG&E's 2020 ABAL. Most of the existing programs in this table show increased budget to cover costs of finishing existing projects and filling in gaps in the portfolio as new programs come on board.

Table 9: Programs with Budgets Increased by 40% or More

Program ID	Program Name	% Budget Change from 2020	Explanation
PGE_3P_Com	Third-Party Placeholder – Local Commercial Programs	+135%	The placeholder budget for new local third-party commercial programs not yet under contract is higher in 2021 than 2020 because these new programs are expected to be under contract by the end of 2020 and launching in 2021. The budget forecasted for 2020 was lower due to solicitations timing, which ultimately was delayed past the date expected for the 2020 ABAL.
PGE_3P_Res	Third-Party Placeholder – Local Residential Programs	+74%	The placeholder budget for new local third-party residential programs not yet under contract is higher in 2021 than 2020 because a new residential behavioral program is expected to be under contract by the end of 2020 and launching in 2021. The budget forecasted for 2020 was lower due to solicitations timing, which ultimately was delayed past the date expected for the 2020 ABAL.
PGE_SW_CSA_App	State Appliance Standards Advocacy	+110%	New statewide program ramping up. The 2021 budget reflects additional program administrator costs for 2021 (relative to the 2020 ABAL forecast), including Applied Technology Services support of C&S advocacy subprograms.
PGE_SW_CSA_Bldg	State Building Codes Advocacy	+55%	New statewide program ramping up. The 2021 budget reflects additional program administrator costs for 2021 (relative to the 2020 ABAL forecast), including Applied Technology Services support of C&S advocacy subprograms.

PGE_SW_CSA_Natl	National Codes & Standards Advocacy	+40%	New statewide program ramping up. The 2021 budget reflects additional program administrator costs for 2021 (relative to the 2020 ABAL forecast), including Applied Technology Services support of C&S advocacy subprograms.
PGE_SW_NC_NonRes	SW New Construction Non- Residential	+57%	New statewide program ramping up.
PGE_SW_NC_Res	SW New Construction Residential	+539%	New statewide program ramping up. Low 2020 budget forecasted in 2020 (\$456k) due to anticipated start in late 2020, however new program launch delayed to 2021.
PGE_Res_001a (a)			Program budget increase reflect funds needed to cover 2021 M&V payments resulting from prior-
PGE_Res_001b (a)	Pay for Performance	+57%	year projects, and increased participant enrollment in 2021. Additionally, program activities from Energy Upgrade California
PGE_Res_001c (a)	(CHR, HEA, HER, and ICF) ^(a)		(PGE21004) and Residential HVAC (PGE21006) have moved under the Pay for Performance-CHR new 2021 Program ID (PGE_Res_001a). See the
PGE_Res_001d (a)			"Program ID Changes Resulting from Program ID Reorganization" section and accompanying Table 11 below for more details.
PGE210212	Compressed Air and Vacuum Optimization Program	+174%	The 174% budget increase reflects an absolute budget increase of approximately \$505k to cover project commitments.
PGE21022	Industrial Deemed Incentives	+57%	Increased budget to finish existing projects and gap-fill for new third-party programs.
PGE21031	Agricultural Calculated Incentives	+173%	Increased budget to finish existing projects and gap-fill for new third-party programs.
PGE21063	Technology Introduction Support	+123%	Introducing new program activities for heat pump water heater replacement, including fuel substitution measures. (b)
PGE210911	On-Bill Financing Alternative Pathway	+408%	Transitioning majority of OBF projects (and OBF administration) to the Alternative Pathway model.

(a) PGE_Res_001a, PGE_Res_001b, PGE_Res_001c, and PGE_Res_001d are new Program IDs for the four Pay for Performance implementers of the Pay for Performance program activities for 2021 that were previously forecasted and reported through 2020 under Program ID PGE210010. See the "Program ID Changes Resulting from Program ID Reorganization" section and accompanying Table 12 below for more details. The % budget change for PGE_Res_001a, PGE_Res_001b, PGE_Res_001c, and PGE_Res_001d is based on the total 2021 program budgets for these four new Program IDs compared to the 2020 program budget for Pay for Performance (PGE210010).

(b) Cost recovery for the fuel substitution portion of this program is discussed in Section III.J. of this advice letter.

New Programs Launching in 2021

PG&E is introducing multiple new programs into its 2021 portfolio as a result 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). There is a total of 25 new programs in 2021:

- Eight new local, third-party resource programs;
- Eight new government partnership non-resource programs; and

• Nine new statewide programs.50

changes relative to 2020) or Table 10.

These new programs are listed in Table 10 below. Some of these programs will incur expenditures to be reported in 2020 as a result of implementation plan development upon finalization of the new program contracts. Attachment 4, Table 8 of this advice letter details the SW program budgets by IOU for 2021.

Table 10: New Local Third-Party, Government Partnership, and Statewide Programs for 2021 Portfolio

Program ID	Program Name	Program Type
PGE_Ag_001	Agriculture Energy Savings Action Plan	Local Third-Party
PGE_Com_001	Grocery Comprehensive Retrofit & Commissioning	Local Third-Party
PGE_Com_002	Smart Labs	Local Third-Party
PGE_Ind_002	Business Energy Performance Program	Local Third-Party
PGE_Ind_003	Industrial Systems Optimization Program	Local Third-Party
PGE_Pub_009	Government & K-12 Comprehensive Program	Local Third-Party
PGE_Pub_010	RAPIDS Wastewater Treatment Optimization Program	Local Third-Party
PGE_Res_003	Multifamily Energy Savings Program	Local Third-Party
PGE_Pub_001	Central Coast Leaders in Energy Action Program	Government Partnership
PGE_Pub_002	Marin Energy Watch Partnership	Government Partnership
PGE_Pub_003	Redwood Coast Energy Watch	Government Partnership
PGE_Pub_004	Central California Energy Watch	Government Partnership
PGE_Pub_005	San Mateo County Energy Watch Program	Government Partnership
PGE_Pub_006	Energy Access SF	Government Partnership
PGE_Pub_007	Sierra Nevada Energy Watch	Government Partnership
PGE_Pub_008	Sonoma Public Energy	Government Partnership
PGE_SW_FS	Food Service POS	Statewide
PGE_SW_UL	Lighting (Upstream)	Statewide

While PG&E's 2021 forecast includes fourteen statewide Program IDs in 2021, only nine are listed in Table 10 because the remaining five 2021 SW programs were included in PG&E's 2020 ABAL, and thus are shown in Table 9 for program budget changes relative to 2020. The five SW programs introduced in 2020 and continuing in 2021 are the SW Non-Residential New Construction program (PGE_SW_NC_NonRes), the SW Residential New Construction program (PGE_SW_NC_Res), and the SW Codes and Standards Advocacy programs for Appliance, State Building, and National codes (PGE_SW_CSA_App, PGE_SW_CSA_Bldg, and PGE_SW_CSA_Natl, respectively). Each statewide program also includes a second Program ID in CEDARS to capture PG&E's administrative costs to support the statewide program. These additional Program IDs are not shown in Tables 9 (no significant budget

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PGE_SW_MCWH	Midstream Comm Water Heating	Statewide
PGE_SW_ETP_Gas	Emerging Technologies Program, Gas	Statewide
PGE_SW_PLA	Plug Load and Appliance	Statewide
PGE_SW_HVAC_Up	Upstream HVAC (Comm + Res)	Statewide
PGE_SW_WET_K12	WE&T K-12 Connections	Statewide
PGE_SW_WET_WORK	WE&T Career and Workforce Readiness	Statewide
PGE_SW_IP_Gov	Institutional Partnerships: Department of General Services and Department of Corrections and Rehabilitation	Statewide

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Program ID Changes Resulting from Program ID Reorganization

PG&E is deactivating two of its Program IDs on CEDARS as program activities are transferred under existing Program IDs to remove duplicative program offerings between Programs, as shown in Table 11 below. The program activities under the Program IDs that are being deactivated will not be ceasing, therefore the program activities are not classified as "closed" at this point in time; rather, these program activities will be continuing but consolidated under another existing Program ID to ensure consolidated and coordinated program activities.

Table 11: 2020 Program IDs Deactivated as Program Activities Move to Alternative Existing Program ID

2020 ABAL		2021 ABAL		
Program ID	Program Name	Program ID Acquiring Program Activities	Program Name Acquiring Program Activities	
PGE21004	Energy Upgrade California		Pay for Performance – Comfortable	
PGE21006	Residential HVAC	PGE_Res_001a	Home Rebates	

As PG&E moves towards a largely outsourced portfolio, it seeks to align the Program IDs in CEDARS with individual program implementers to enable more transparent program performance management for implementers. To this end, PG&E is splitting up three of its 2020 existing Program IDs into multiple Program IDs as shown in Table 12 below. The 2020 Residential Pay for Performance program (historically PGE210010) has been split into four separate Program IDs for its 2021 forecast, for each of its unique residential Pay for Performance implementers. Similarly, PG&E has split up its 2020 Industrial Strategic Energy Management program (historically PGE21030) into two separate Program IDs for its 2021 forecast for each implementer. Lastly, PG&E has split up its 2020 Residential Energy Advisor program into three separate Program IDs for its 2021 forecast for each distinct program offering.

2020 ABAL **2021 ABAL** Program ID **Program Name** Program ID **Program Name** Pay for Performance - Comfortable Home PGE_Res_001a Rebates PGE Res 001b Pay for Performance - Home Intel Residential Pay for PGE210010 Performance Pilot PGE_Res_001c Pay for Performance - Home Energy Rewards Pay for Performance - Home Energy PGE_Res_001d Optimization Industrial Strategic Energy Management -PGE_Ind_001a Food Processing Industrial Strategic PGE21030 **Energy Management** Industrial Strategic Energy Management -PGE_Ind_001b Manufacturing Residential Energy Advisor – Home Energy PGE_Res_002a Check-Ups Residential Energy PGE21001 PGE_Res_002b Residential Energy Advisor - Marketplace Advisor Residential Energy Advisor - Home Energy PGE_Res_002c

Reports

Table 12: 2020 Program IDs Split into Multiple 2021 Program IDs

H. EM&V

PG&E proposes a PG&E EM&V budget of \$9,508,971, consistent with the 4% EM&V budget cap originally adopted in D.09-09-047 and upheld in subsequent EE budget Decisions.⁵¹ D.16-08-019 established grounds to revise the allocation of EM&V fund split between Commission and IOU EM&V efforts, beginning after the EE Business Plans are approved by the Commission, to at least 60% reserved for Commission staff evaluation efforts and up to 40% for PAs.⁵² The default allocation is 72.5% of EM&V funds for Commission EM&V efforts and 27.5% for PG&E EM&V efforts. PG&E's 2021 EM&V forecast includes a shift of \$275,000 in estimated costs for eTRM maintenance and administration from the CPUC EM&V portion to PG&E's PA EM&V portion, bringing the EM&V allocation to 69.6% CPUC / 30.4% PG&E PA.⁵³ Table 13 presents the EM&V allocations for PG&E, BayREN, MCE, and 3C-REN using the REN and MCE 2021 budgets presented in their CAEECC presentations on August 5, 2020.

⁵¹ D.10-04-029, D.12-05-015, D.14-10-046, D.15-10-028, D.16-08-019.

⁵² D.16-08-019, OP 16.

⁵³ Draft 2022 DEER Resolution E-5082, p.10 directs the IOUs to include eTRM administration and maintenance costs in their 2021 ABALs. A joint call with the IOUs and Amy Reardon on April 7, 2020 introduced the plan to leverage EM&V funds for these expenses, and verbal approval was received from Energy Division staff to proceed with this plan and reallocate a share of CPUC EM&V funds to the IOU to cover this eTRM work.

PA	Total PA Budget without EM&V	EM&V Total ^(a)	EM&V CPUC Portion ^(b)	EM&V PA Portion	Total PA Budget with EM&V
PG&E (c)	\$228,215,304	\$9,508,971	\$6,619,004	\$2,889,967	\$237,724,275
BayREN (d)	\$23,911,548	\$996,315	\$736,250	\$260,065	\$24,907,863
MCE (e)	\$7,527,318	\$313,638	\$193,201	\$120,437	\$7,840,956
3C-REN (f)	\$3,920,942	\$163,373	\$129,760	\$33,612	\$4,084,315

Table 13: 2020 EM&V Budget

I. Unspent Funds

1. PG&E Prior Years' Unspent Funds

Table 14 illustrates PG&E's unspent funds for prior years' program cycles.⁵⁴ This data is also presented in the Appendices on Table 6: Committed Energy Efficiency Program Funding Not Yet Spent, and Table 7: 2020 Authorized and Spent/Unspent Detail. As of June 2020, PG&E estimates that \$10 million of funds are unspent and uncommitted. The 2021 EE revenue collections will be offset by 2020 unspent and uncommitted funds to be finalized in early 2021 when 2020 program year activities conclude.

PG&E submitted a Tier 1 Advice Letter 4298-G/5926-E on August 24, 2020 summarizing the remaining balance of unspent and uncommitted funds from Program Year 2019 to be returned at the soonest rate filing opportunity. The Commission's non-standard disposition of PG&E's 2020 ABAL, issued on December 24, 2019, approved the return of an estimated \$13,324,000 in unspent and uncommitted 2019 funds.⁵⁵ However, after this disposition was received and 2019 program year expenditures were finalized, PG&E determined there was a remaining balance of \$7,674,475 in 2019 unspent and uncommitted funds to be returned. These remaining funds will be returned at the soonest

⁽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

⁽c) Assumes a total PG&E EM&V split of 69.6% CPUC / 30.4% PA. 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 2021, 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 2021 ABAL CAEECC Presentation on August 5, 2020.

⁽e) MCE total budget without EM&V and EM&V PA portion taken from MCE 2021 ABAL CAEECC Presentation on August 5, 2020.

⁽f) 3C-REN total budget without EM&V and EM&V PA portion taken from 3C-REN 2021 ABAL CAEECC Presentation on August 5, 2020. PG&E's portion of 3C-REN's budget is 45.6%.

⁵⁴ Table 8 reflects balances through June 2020.

⁵⁵ Non-standard disposition to Advice 4136-G/5627-E and Advice 4136-G-A/5627-E-A, dated December 20, 2019 and issued on December 24, 2019.

opportunity; the Tier 1 advice letter is assumed to be effective as of August 24, 2020, the date of the advice letter submission.

Table 14: Prior Years' Unspent Funds as of June 2020

	PY2013- 2015	PY 2016	PY 2017	PY 2018	PY 2019	PY 2020 (estimated)	Totals
Unspent & Commit	tted						
EM&V (a)	\$3,168,896	\$15,672,827	\$14,479,143	\$11,501,157	\$0	\$7,837,885	\$52,659,907
Financing Pilots (b)	\$123,025	\$0	\$165,400	\$220,797	\$500,000	\$500,000	\$1,509,222
BayREN	\$3,760,885	\$0	\$42,769	\$5,218,732	\$2,989,987	\$11,161,983	\$23,174,356
MCE	\$36,182	\$104,615	\$0	\$223,670	-\$56,956	\$5,370,600	\$5,678,111
3C REN	\$0	\$0	\$0	\$0	\$2,420,453	\$1,890,093	\$4,310,546
Total	\$7,088,987	\$15,777,442	\$14,687,312	\$17,164,356	\$5,853,483	\$26,760,561	\$87,332,142
Estimated Unspent & Uncommitted for 2021 Offset							
Utility Program Funds	\$0	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000

⁽a) Includes unspent funds from the CPUC (\$41.7 million) and PG&E (\$11.0 million)

2. PG&E's MCE Sub-Account Prior Years' Unspent Funds

In D.14-10-046, the Commission instructed PG&E to offset MCE's unspent funds against payments to be made to MCE under its authorized electric EE portfolio budget. As of July 31, 2020, PG&E estimates that all of MCE's 2020 electric funds (authorized in ABAL 37-E) will be paid to MCE by the end of 2020.

J. Cost Recovery

1. EE Budget Cost Recovery

The PG&E energy efficiency budget for 2021 cost recovery purposes upon approval of this advice letter is \$227,724,275,56 which includes the estimated unspent and uncommitted carryover balance for program year 2020 discussed in Section III.I.1. The energy-efficiency budgets for PG&E's 2021 cost recovery related to MCE, BayREN, and 3C-REN will be based upon Commission approval of the budgets they present in their 2021 ABALs, including the CPUC portion of the REN and CCA EM&V budgets. PG&E

⁽b) 2017, 2018, 2019, and 2020 committed funds were authorized in AL 3904-G/5175-E, approved effective December 3, 2017.

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). This cost recovery budget includes benefits burdens.

will collect from customers the combined total of PG&E, MCE, BayREN, and 3C-REN's cost recovery budgets. PG&E is not requesting cost recovery budget for RCEA because it is funding RCEA's 2021 program using unspent and uncommitted funds from its 2020 program year budget.⁵⁷

The allocation of the authorized 2021 budget for electric and gas cost recovery will be based on the electric/gas split attributed to the most recent Commission-approved program forecast.⁵⁸ If the Commission approves the electric/gas split of 83%/17% associated with the 2021 EE program forecast in this advice letter, PG&E will apply this electric/gas split for 2021 cost recovery purposes. If the Commission does not approve the electric/gas split associated with the 2021 EE program forecast in this advice letter, PG&E will default to its last approved electric/gas split of 70%/30% from the 2020 ABAL.⁵⁹

PG&E's electric and gas cost recovery requests reflect direction by D.19-08-009 OP 5 for PG&E to fund fuel substitution measures via ratepayers of the new fuel and not the fuel being substituted. PG&E's Emerging Technologies Subprogram Technology Introduction Support (PGE21063) will, among other program activities, be exploring heat pump water heater fuel substitution measures. Of the total Technology Introduction Support program budget, PG&E expects approximately \$877,602 to support fuel substitution activities and will ensure this budget is included in the portion of costs recovered via electric rates.

Table 15: PG&E 2021 EE Portfolio Cost Recovery Summary

Cost Recovery Component	Total Amount		cable as Split ^(a)	Electric Portion for Cost	Gas Portion for Cost Recovery	
		Electric	Gas	Recovery		
PG&E Total 2021 EE Portfolio Budget (Less Fuel Substitution Budget)	\$236,846,673	83%	17%	\$196,582,739	\$40,263,934	
Estimated 2020 Unspent and Uncommitted Funds	-\$10,000,000	70%	30%	-\$7,000,000	-\$3,000,000	
2021 Budget Forecasted to Support Fuel Substitution ^(b)	\$877,602	100%	0%	\$877,602	\$0	

⁵⁷ RCEA 2021 budget recovery request is set at \$0. PG&E transferred funds from its 2020 budget to RCEA for the full 3-year program amount approved via Resolution E-5050, as directed by the Resolution. No further cost recovery for RCEA is required at this time.

⁵⁸ The electric/gas split will be applied to the portion of the 2021 EE portfolio budget not attributed to support fuel-substitution measures as shown in Table 15. The EE portfolio costs to support fuel-substitution program activities will be recovered through electric rates only.

Advice 4136-G/5627-E filed September 3, 2020, and Advice 4136-G-A/5627-E-A, filed November 15, 2019. Non-standard disposition of Advice 4136-G/5627-E and Advice 4136-G-A/5627-E-A dated December 20, 2019 and issued on December 24, 2019.

⁶⁰ See Section III.G. of this advice letter.

⁽a) The 2021 electric/gas split is forecasted to be 83%/17%. The 2020 electric/gas split of 70%/30% was approved via non-standard disposition to Advice 4136-G/5627-E and Advice 4136-G-A/5627-E-A, dated December 20, 2019 and issued on December 24, 2019.

2. 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. ⁶¹ In consultation and agreement with the IOUs, PG&E will budget \$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 will total \$9 million.

Table 16: Demand Response IDSM Funding Request in 2021 Rates

Category	PG&E Electric Demand Response Funds ⁶²
Energy Efficiency	\$1,000,000
Demand Response	\$8,000,000
Total PG&E	\$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 IDSM budget, \$1 million will be allocated to the EE portion of the IDSM budget, and \$8 million will be allocated to the 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.

K. Metrics

Pursuant to D.18-05-041, PG&E reported on sector-level metrics and their associated targets for program years 2017, 2018, and 2019 as part of the 2017, 2018, and 2019 EE

⁽b) Fuel substitution measures as part of the Technology Introduction Support program (PGE21063) are discussed in Table 9, Section III.G. of this advice letter.

⁶¹ D.18-05-041, OP 10.

⁶² Administrative Law Judge's Ruling Providing Guidance for the 2012-2014 Demand Response Applications, Rulemaking (R.) 07-01-041, August 27, 2010 directed that future authority and funding for the demand response portion of the Integrated Design-Side Management activities be considered in EE proceedings starting with the EE applications for 2013-2015. These funds were approved in D.18-05-041, OP 10.

Annual Report filings filed on May 1, 2018, May 1, 2019, and May 1, 2020, respectively. They can be found in spreadsheet form on the CPUC's data reporting website, Energy Efficiency Statistics (EEStats),⁶³ by filtering documents for the "Annual" Report Category and "Narrative & Spreadsheet" Report Type.

Protests

Due to the COVID-19 pandemic and the shelter at home orders, 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

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than September 21, 2020, which is 20 days after the date of this submittal. 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.

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:

Erik Jacobson
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

⁶³ http://eestats.cpuc.ca.gov/Views/Documents.aspx

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 2021 spending budget of \$237,724,275 and its 2021 cost recovery budget of \$227,724,275 through a non-standard disposition effective January 1, 2021. PG&E additionally requests that the Commission approve the forecasted 2021 electric/gas split 83%/17% associated with its 2021 EE program forecast for non-fuel-substitution cost recovery budget allocations effective January 1, 2021. This will allow PG&E to recover gas and electric costs in amounts that more appropriately match the new measure potential in 2021.⁶⁴

Notice

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, 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/.

IS/

Erik Jacobson

Director, Regulatory Relations

Attachments:

Attachment 1 – California Energy Data and Reporting System (CEDARS) Filing Confirmation

Attachment 2 – Program Changes Table

Attachment 3 – Supplemental Budget Tables

Attachment 4 – Appendices

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⁶⁴ The 2021 ABAL forecasted electric/gas split is 83%/17%, excluding fuel-substitution program budget, compared with the 70%/30%electric/gas split approved in the 2020 ABAL that is the basis of cost recovery budget allocation in 2020.

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





California Public Utilities Commission

ADVICE LETTER



LINLINGTOTILIT	CAU			
MUST BE COMPLETED BY UT	ILITY (Attach additional pages as needed)			
Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39M)				
Utility type: LEC LEGAS WATER PLC HEAT	Contact Person: Kimberly Loo Phone #: (415)973-4587 E-mail: PGETariffs@pge.com E-mail Disposition Notice to: KELM@pge.com			
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas WATER = Water PLC = Pipeline HEAT = Heat WATER = Water	(Date Submitted / Received Stamp by CPUC)			
Advice Letter (AL) #: 4303-G/5936-E	Tier Designation: 2			
and 18-05-041	nnual Budget Advice Letter in Compliance with Decisions 15-10-028			
Keywords (choose from CPUC listing): Compliant AL Type: Monthly Quarterly Annual Annua				
If AL submitted in compliance with a Commissi D.15-10-028 and D.18-05-041	on order, indicate relevant Decision/Resolution #:			
Does AL replace a withdrawn or rejected AL? I	f so, identify the prior AL: $_{ m No}$			
Summarize differences between the AL and the prior withdrawn or rejected AL:				
Confidential treatment requested? Yes Vo				
If yes, specification of confidential information: Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:				
Resolution required? Yes Vo				
Requested effective date: $1/1/21$	No. of tariff sheets: $_{ m 0}$			
Estimated system annual revenue effect (%): $_{ m N/A}$				
Estimated system average rate effect (%): N/A				
When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).				
Tariff schedules affected: $_{ m N/A}$				
Service affected and changes proposed $^{ ext{l:}}$ $_{ ext{N/A}}$				
Pending advice letters that revise the same tariff sheets: $_{ m N/A}$				

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: EDTariffUnit@cpuc.ca.gov

Name: Erik Jacobson, 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:

Attachment 1

California Energy Data and Reporting System (CEDARS) Filing Confirmation

PGE 2021 ABAL Attachment 1 – CEDARS Filing Receipt

CEDARS FILING SUBMISSION RECEIPT

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

PA: Pacific Gas & Electric (PGE)

Filing Year: 2021

Submitted: 23:59:51 on 31 Aug 2020

By: Wilson Wong

Advice Letter Number: 4303-G/5936-E

* Portfolio Filing Summary *

- TRC: 1.9084 - PAC: 6.3843

- TRC (no admin): 2.4915 - PAC (no admin): 29.424

- RIM: 0.6618

- Budget: \$220,724,275.20

- * Programs Included in the 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
- PGE210143: Hospitality Program
- PGE21021: Industrial Calculated Incentives
- PGE210210: Industrial Recommissioning Program
- PGE210212: Compressed Air and Vacuum Optimization Program
- PGE21022: Industrial Deemed Incentives
- PGE21024: Industrial Energy Advisor
- PGE21027: Heavy Industry Energy Efficiency Program
- PGE21031: Agricultural Calculated Incentives
- PGE21032: Agricultural Deemed Incentives
- PGE21034: Agricultural Energy Advisor
- PGE21036: Industrial Refrigeration Performance Plus
- PGE21053: Compliance Improvement
- PGE21054: Reach Codes
- PGE21055: Planning and Coordination

PGE 2021 ABAL

Attachment 1 - CEDARS Filing Receipt

- PGE21056: Code Readiness
- PGE21062: Technology Assessments
- PGE21063: Technology Introduction Support
- PGE21071: Integrated Energy Education and Training
- PGE21072: Connections
- PGE21091: On-Bill Financing (excludes Loan Pool)
- PGE210911: On-Bill Financing Alternative Pathway
- PGE21091LP: Financing Loan Pool Addition
- 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 3P Com: New 3P Placeholder Commercial
- PGE 3P Res: New 3P Placeholder Residential
- PGE Ag 001: Agriculture Energy Savings Action Plan
- PGE_Com_001: Grocery Comprehensive Retrofit and Commissioning
- PGE Com 002: Smart Labs
- PGE_EMV: Evaluation Measurement and Verification
- PGE ESA: Energy Savings Assistance
- PGE_ESPI: Energy Savings Performance Index
- 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_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: Payfor Performance Home Intel
- PGE Res 001c: Pay for Performance Home Energy Rewards
- PGE Res 001d: Payfor Performance Home Energy Optimization
- PGE Res 002a: Residential Energy Advisor Home Energy Checkups
- PGE_Res_002b: Residential Energy Advisor Marketplace
- PGE_Res_002c: Residential Energy Advisor Home Energy Reports
- PGE Res 003: Multifamily Energy Savings Program
- PGE_SW_CSA_App: State Appliance Standards Advocacy
- PGE_SW_CSA_App_PA: State Appliance Standards Advocacy PA Costs

PGE 2021 ABAL Attachment 1 – CEDARS Filing Receipt

- 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 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 (Command Res)
- PGE_SW_HVAC_Up_PA: Upstream HVAC (Comm and Res) 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: New Construction Non-Residential
- PGE SW NC NonRes PA: New Construction Non-Residential PGE Costs
- PGE_SW_NC_Res: New Construction Residential
- PGE_SW_NC_Res_PA: New Construction Residential 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

Attachment 2

Program Changes Table

Programs to be closed with the disposition of 2021 ABAL

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
PGE21008	Enhance Time Delay Relay	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.44	n/a	\$0	\$872,822	2013	12/2020	n/a
PGE210011	Residential Energy Fitness Program	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$6,529,042	2016	12/2020	n/a
PGE21003	Multifamily Energy Efficiency Program	Core	Local	Will be replaced by incoming 3P program.	n/a	0.52	n/a	\$0	\$4,651,856	2013	12/2020	n/a
PGE21009	Direct Install for Manufactured and Mobile Homes	Third-Party	Local	Closed as a result of portfolio balancing.	n/a	0.46	n/a	\$0	\$813,165	2013	12/2020	n/a
PGE210112	School Energy Efficiency	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.36	n/a	\$0	\$1,292,461	2013	12/2020	n/a
PGE210123	Healthcare Energy Efficiency Program	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$994,021	2013	12/2020	n/a
PGE210135	Water Infrastructure and System Efficiency (WISE)	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$1,301,793	2014	12/2020	n/a
PGE21015	Commercial HVAC	Core	Local	Will be replaced by incoming 3P program.	n/a	0.23	n/a	\$0	\$6,044,854	2013	12/2020	n/a
PGE21018	EnergySmart Grocer Program	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.33	n/a	\$0	\$6,176,529	2013	12/2020	n/a
PGE21026	Energy Efficiency Services for Oil Production	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$927,077	2013	12/2020	n/a
PGE210311	Process Wastewater Treatment Energy Management Program for Ag Food Processing	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$203,931	2013	12/2020	n/a
PGE210312	Dairy and Winery Industry Efficiency Solutions	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.33	n/a	\$0	\$1,421,553	2013	12/2020	n/a
PGE21039	Comprehensive Food Process Audit & Resource Efficiency (CFP)	Third-Party	Local	Will be replaced by incoming 3P program.	n/a	0.00	n/a	\$0	\$2,250,083	2013	12/2020	n/a
PGE2110052	Strategic Energy Resources	Third-Party	Local	Will be replaced by incoming 3P LGP programs.	n/a	n/a	n/a	\$0	\$4,961,247	2013	12/2020	n/a
PGE21061	Technology Development Support	Core	Local	Will be replaced by incoming 3P program.	n/a	n/a	n/a	\$0	\$449,065	2013	12/2020	n/a
PGE21076	Career and Workforce Readiness	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$131,789	2019	12/2020	n/a
PGE21041	Primary Lighting	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$0	2013	12/2019 ^(e)	n/a
PGE21042	Lighting Innovation	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$0	2013	12/2019 ^(e)	n/a
PGE21051	Building Codes Advocacy	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$0	2013	12/2020	n/a

Programs to be closed with the disposition of 2021 ABAL

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
PGE21052	Appliance Standards Advocacy	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$0	2013	12/2020	n/a
PGE21057	National Codes and Standards Advocacy	Core	Statewide	Will be replaced by new 2021 SW program.	n/a	n/a	n/a	\$0	\$0	2013	12/2020	n/a

⁽a) See advice letter Section III.G, Tables 7 through 12 for more details on program changes justification.

⁽b) 2021 filed TRC represents reported results through Q1. TRC values are not representative of full-year performance, and are subject to change in future quarters. Any erroneous reporting values will be corrected in future reporting quarters.

⁽c) 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.

⁽d) In some cases the contract end date is unknown at the month level, in which case months are marked "TBD".

⁽e) See advice letter Section III.G., Table 6 for more details.

Programs to be closed upon completion of commitments

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
	Local Government Energy Action			Previous Energy Watch programs, funded through LGEAR, will ramp down and close direct install programs by the end of 2020, but select contracts have been extended into 2021 to gap-fill for incoming third-party							,	
PGE2110051	Resources (LGEAR)	Third-Party	Local	programs.	-72%	0.33	0.56	\$3,075,395	\$11,058,317	2013	n/a	09/2021
PGE210210	Industrial Retro-commissioning Program	Third-Party	Local	Finishing existing pipeline and ramping down in anticipation of new third-party program overlap.	6%	0.00	0.53	\$1,505,303	\$1,426,592	2013	n/a	TBD/2021
PGE21036	Industrial Refrigeration Performance Plus	Third-Party	Local	Program has been ramping down since 2019 for closing out project costs, as mentioned in the 2019 and 2020 ABALs and the 2019 Annual Report.	n/a	0.00	0.00	\$25,073	\$0	2013	n/a	TBD/2021
PGE211025	Savings by Design	Core	Local	Finishing existing project pipeline in anticipation of SW replacement program. Program not accepting new applications.	10%	0.67		\$1,300,904	\$1,178,280	2013	n/a	n/a ^(e)
PGE210143	Hospitality Program	Third-Party	Local	Ramping down in anticipation of new third- party program overlap but continuing in 2021 to support customers during COVID pandemic.	21%	0.46		\$3,059,266	\$2,529,781	2016	n/a	06/2021
	Heavy Industry Energy Efficiency			Finishing existing pipeline and ramping down in anticipation of new third-party program								
PGE21027	Program	Third-Party	Local	overlap. Contract still in place for management of remaining third-party loan pool, however no	-66%	0.38	1.19	\$2,762,997	\$8,117,891	2013	n/a	TBD/2021
PGE21092	Third-Party Financing Residential New Construction -	Core	Local	2021 spend expected.	n/a	0.00	n/a	\$0	\$0	2013	n/a	TBD/2021 or TBD/2022
PGE21005	California Advanced Homes Program	Core	Local	Ramping down in anticipation of SW replacement program overlap.	-59%	0.21	0.62	\$1,569,420	\$3,849,277	2013	n/a	12/2021
PGE2110011	California Community Colleges	Core	Local	Increased budget to finish large existing projects	73%	0.04	0.47		\$712,478	2013	n/a	TBD/2022
PGE2110012	University of California/California State University	Core	Local	Increased budget to finish large existing projects	363%	-0.41	0.46	\$1,883,522	\$406,780	2013	n/a	TBD/2022
PGE2110013	State of California	Core	Local	Increased budget to finish large existing projects	24%	0.00	0.78	624,642	504,005	2013	n/a	TBD/2021
PGE2110014	Department of Corrections and Rehabilitation	Core	Local	Increased budget to finish existing projects.	53%	0.00	1.74	\$807,589	\$527,187	2013	n/a	TBD/2021

⁽a) See advice letter Section III.G, Tables 7 through 12 for more details on program changes justification.

⁽b) 2021 filed TRC represents reported results through Q1. TRC values are not representative of full-year performance, and are subject to change in future quarters. Any erroneous reporting values will be corrected in future reporting quarters.

Programs to be closed upon completion of commitments

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	extended to as a result of
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⁽c) 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.

⁽d) In some cases the contract end date is unknown at the month level, in which case months are marked "TBD".

⁽e) The savings by design program is not implemented by a third-party contractor, however the program is expected to ramp-down to completion by the end of 2022.

Programs with reduced budgets (>40% budget decrease), to continue in 2021

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
PGE21002	Residential Energy Efficiency	Core	Local	Ramping down due to SW program overlap. Program will operate through the majority of 2021. Future closure for this PG&E-implemented program may be signaled in 2022 ABAL.	-83%	0.26	0.41	\$949,405	\$5,549,380	2013	n/a	n/a
PGE21012	Commercial Deemed Incentives	Core	Local	Ramping down while fulfilling existing project commitments and gap-filling for new third-party programs. Program will operate through duration of 2021. Future closure for this PG&E-implemented program may be signaled in 2022 ABAL.	-54%	1.26	2.51	\$4,091,291	\$8,852,809	2013	n/a	n/a
PGE21034	Agricultural Energy Advisor	Core	Local	The Advanced Pumping Energy Efficiency Program (APEP) component of this subprogram is moving under Integrated Energy Education and Training (PGE21071). Program will operate through duration of 2021. Future closure for this	-88%	0.56	0.00	\$278,369	\$2,326,462	2013	n/a	n/a
PGE21034 PGE21062	Technology Assessments	Core	Local	PG&E-implemented program may be signaled in 2022 ABAL. Ramping down due to overlap with SW programs.	-53%	0.00	0.00 N/A	\$1,460,138	\$3,120,821	2013	n/a n/a	n/a n/a

⁽a) See advice letter Section III.G, Tables 7 through 12 for more details on program changes justification.

⁽b) 2021 filed TRC represents reported results through Q1. TRC values are not representative of full-year performance, and are subject to change in future quarters. Any erroneous reporting values will be corrected in future reporting quarters.

⁽c) 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.

⁽d) 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 by 40% or more are marked as "n/a" because contracts will be in place at least through the end of 2021.

Programs with enhanced budgets (>40% budget increase)

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting ^(d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up
PGE_3P_Com	Third-Party Placeholder – Local Commercial Programs	Third-Party	Local	The placeholder budget for new local third-party commercial programs not yet under contract is higher in 2021 than 2020 because these new programs are expected to be under contract by the end of 2020 and launching in 2021. The budget forecasted for 2020 was lower due to solicitations timing, which ultimately was delayed past the date expected for the 2020 ABAL.	135%	n/a	1.26	\$19,351,551	\$8,241,182	2020	n/a	n/a
PGE_3P_Res	Third-Party Placeholder – Local Residential Programs	Third-Party	Local	The placeholder budget for new local third-party residential programs not yet under contract is higher in 2021 than 2020 because a new residential behavioral program is expected to be under contract by the end of 2020 and launching in 2021. The budget forecasted for 2020 was lower due to solicitations timing, which ultimately was delayed past the date expected for the 2020 ABAL.	74%	n/a	1.11	\$20,731,541	\$7,055,634	2020	n/a	n/a
PGE SW CSA App	State Appliance Standards Advocacy	Core	SW	New statewide program ramping up.	110%	6.84	10.73	\$3,563,071	\$1,693,770	2020	n/a	n/a
PGE_SW_CSA_Bldg	State Building Codes Advocacy	Core	SW	New statewide program ramping up.	55%	1.37	1.72	\$4,236,532	\$2,735,280	2020	n/a	n/a
PGE_SW_CSA_Natl	National Codes & Standards Advocacy	Core	SW	New statewide program ramping up.	40%	1.47	1.99	\$2,194,267	\$1,569,630	2020	n/a	n/a
PGE_SW_NC_NonRes	SW New Construction Non-Residential	Core	SW	New statewide program ramping up.	57%	0.00	0.36	\$1,195,802	\$760,000	2020	n/a	n/a
PGE SW NC Res	SW New Construction	Core	SW	New statewide program ramping up. Low 2020 budget forecasted in 2020 (\$456k) due to anticipated start in late 2020, however new program launch delayed to 2021, resulting in large 2021 increase.	539%	n/a	1.18	\$2,915,109	\$456,000	2020	n/a	n/a
PGE_Res_001a ^(e)	Pay for Performance – Comfortable Home Rebates	Third-Party	Local	Program budget increase reflect funds needed to cover 2021 M&V payments resulting from prior-year projects, and increased participant enrollment in 2021.		.,,2	0.41	\$3,478,918	¥ 1.5 3/333	2020	n/a	n/a
PGE_Res_001b ^(e)	Pay for Performance – Home Intel	Third-Party	Local	Additionally, program activities from Energy Upgrade California (PGE21004) and Residential HVAC (PGE21006)			0.19	\$667,404			n/a	n/a
PGE_Res_001c ^(e)	Pay for Performance – Home Energy Rewards	Third-Party	Local	have moved under the Pay for Performance-CHR new 2021 Program ID (PGE_Res_001a). See the "Program ID Changes Resulting from Program ID Reorganization" and			0.83	\$757,322			n/a	n/a
PGE_Res_001d ^(e)	Pay for Performance – Home Energy Optimization	Third-Party	Local	accompanying Table 11 of section III.G. of the Advice Letter for more details.	57%	0.00	0.38	\$2,690,921	\$4,835,316	2016	n/a	n/a

Programs with enhanced budgets (>40% budget increase)

Program ID	Program Name	Third-Party Implementer or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started (c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up
PGE210212	Compressed Air and Vacuum Optimization Program	Third-Party	Local	Ramping down in anticipation of SW replacement program overlap.	174%	0.00	0.70	\$795,251	\$290,275	2017	n/a	n/a
PGE21022	Industrial Deemed Incentives	Core	Local	Increased budget to finish existing projects and gap-fill for new third-party programs.	57%	2.09	1.22	\$238,153	\$151,294	2013	n/a	n/a
PGE21031	Agricultural Calculated Incentives	Core	Local	Increased budget to finish existing projects and gap-fill for new third-party programs.	173%	0.00	0.57	\$5,310,769	\$1,947,535	2013	n/a	n/a
PGE21063	Technology Introduction Support	Core	Local	Introducing new program activities for heat pump water heater replacement, including fuel substitution measures.	123%	n/a	n/a	\$3,322,253	\$1,490,116	2013	n/a	n/a
PGE210911	On-Bill Financing Alternative Pathway	Core	Local	Transitioning majority of OBF projects (and OBF administration) to the Alternative Pathway model.	408%	0.00	1.03	\$4,030,576	\$793,414	2013	n/a	n/a

⁽a) See advice letter Section III.G, Tables 7 through 12 for more details on program changes justification.

⁽b) 2021 filed TRC represents reported results through Q1. TRC values are not representative of full-year performance, and are subject to change in future quarters. Any erroneous reporting values will be corrected in future reporting quarters.

⁽c) 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.

⁽d) 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 2021.

⁽e) PGE_Res_001a, PGE_Res_001b, PGE_Res_001c, and PGE_Res_001d are new Program IDs for the four Pay for Performance implementers of the Pay for Performance program activities for 2021 that were previously forecasted and reported through 2020 under Program ID PGE210010. See the "Program ID Changes Resulting from Program ID Reorganization" section and accompanying Table 12 below for more details. The % budget change for PGE_Res_001a, PGE_Res_001b, PGE_Res_001d is based on the total 2021 program budgets for these four new Program IDs compared to the 2020 program budget for Pay for Performance (PGE210010).

Programs that are new in 2021

Program ID	Program Name	Third-Party Implemente r or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started ^(c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
PGE_Ag_001	Agriculture Energy Savings Action Plan	Third-Party	Local	Local solicitations	n/a	n/a	1.39	\$5,741,691	\$0	TBD/2021	n/a	n/a
PGE_Com_001	Grocery Comprehensive Retrofit & Commissioning	Third-Party	Local	Local solicitations	n/a	n/a	0.94	\$921,180	\$0	TBD/2021	n/a	n/a
PGE_Com_002	Smart Labs	Third-Party	Local	Local solicitations	n/a	n/a	0.00	\$731,411	\$0	TBD/2021	n/a	n/a
PGE_Ind_002	Business Energy Performance Program	Third-Party	Local	Local solicitations	n/a	n/a	1.30	\$5,934,442	\$0	TBD/2021	n/a	n/a
PGE_Ind_003	Industrial Systems Optimization Program	Third-Party	Local	Local solicitations	n/a	n/a	0.90	\$4,720,291	\$0	TBD/2021	n/a	n/a
PGE_Pub_009	Government & K-12 Comprehensive Program	Third-Party	Local	Local solicitations	n/a	n/a	1.27	\$3,224,434	\$0	TBD/2021	n/a	n/a
PGE_Pub_010	RAPIDS Wastewater Treatment Optimization Program	Third-Party	Local	Statewide solicitations	n/a	n/a	0.24	\$629,350	\$0	TBD/2021	n/a	n/a
PGE_Res_003	Multifamily Energy Savings Program	Third-Party	Local	Statewide solicitations	n/a	n/a	1.09	\$4,168,929	\$0	TBD/2021	n/a	n/a
PGE_Pub_001	Central Coast Leaders in Energy Action Program	Third-Party	Local	Statewide solicitations	n/a	n/a	0.00	\$346,341	\$0	TBD/2021	n/a	n/a
PGE_Pub_002	Marin Energy Watch Partnership	Third-Party	Local	Statewide solicitations	n/a	n/a	0.00	\$277,907	\$0	TBD/2021	n/a	n/a
PGE_Pub_003	Redwood Coast Energy Watch	Third-Party	Local	Statewide solicitations	n/a	n/a	0.00	\$374,846	\$0	TBD/2021	n/a	n/a
PGE_Pub_004	Central California Energy Watch	Third-Party	Local	Local solicitations	n/a	n/a	0.00	\$800,802	\$0	TBD/2021	n/a	n/a
PGE_Pub_005	San Mateo County Energy Watch Program	Third-Party	Local	Local solicitations	n/a	n/a	0.00	\$448,606	\$0	TBD/2021	n/a	n/a
PGE_Pub_006	Energy Access SF	Third-Party	Local	Local solicitations	n/a	n/a	0.00	\$1,004,578	\$0	TBD/2021	n/a	n/a
PGE_Pub_007	Sierra Nevada Energy Watch	Third-Party	Local	Local solicitations	n/a	n/a	0.00	\$746,897	\$0	TBD/2021	n/a	n/a
PGE_Pub_008	Sonoma Public Energy	Third-Party	Local	Statewide solicitations	n/a	n/a	0.00	\$396,496	\$0	TBD/2021	n/a	n/a
PGE_SW_FS	Food Service POS	Third-Party	SW	Local solicitations	n/a	n/a	1.35	\$4,598,474	\$0	TBD/2021	n/a	n/a

Programs that are new in 2021

Program ID	Program Name	Third-Party Implemente r or Core	Statewide or Local	PA justification ^(a)	% change	2020 Claimed TRC	2021 Filed TRC (b)	2021 ABAL Budget	2020 ABAL Budget	Year program started ^(c)	For existing third party implemented programs, MM/YY Program was due to sunset prior to PY 2021 ABAL planning and new 3P contracting (d)	For existing third party implemented programs, MM/YY Program is extended to as a result of PY 2021 ABAL planning and timing for new 3P contracts' ramp up (d)
PGE_SW_UL	Lighting (Upstream)	Third-Party	SW	Local solicitations	n/a	n/a	1.07	\$3,824,503	\$0	TBD/2021	n/a	n/a
PGE_SW_MCWH	Midstream Comm Water Heating	Third-Party	SW	Local solicitations	n/a	n/a	2.91	\$4,546,753	\$0	TBD/2021	n/a	n/a
PGE_SW_ETP_Gas	Emerging Technologies Program, Gas	Third-Party	SW	Local solicitations	n/a	n/a	0.00	\$1,537,675	\$0	TBD/2021	n/a	n/a
PGE_SW_PLA	Plug Load and Appliance	Third-Party	SW	Local solicitations	n/a	n/a	0.98	\$3,469,126	\$0	TBD/2021	n/a	n/a
PGE_SW_HVAC_Up	Upstream HVAC (Comm + Res)	Third-Party	SW	Local solicitations	n/a	n/a	1.42	\$5,050,941	\$0	TBD/2021	n/a	n/a
PGE_SW_WET_CC	WE&T Career Connections	Third-Party	SW	Local solicitations	n/a	n/a	0.00	\$372,802	\$0	TBD/2021	n/a	n/a
PGE_SW_WET_WORK	WE&T Career and Workforce Readiness	Third-Party	SW	Local solicitations	n/a	n/a	0.00	\$702,647	\$0	TBD/2021	n/a	n/a
PGE_SW_IP_Gov	Institutional Partnerships: Department of General Services and Department of Corrections and Rehabilitation	Third-Party	SW	Local solicitations	n/a	n/a	0.00	\$256,545	\$0	TBD/2021	n/a	n/a

⁽a) See advice letter Section III.G, Tables 7 through 12 for more details on program changes justification.

⁽b) 2021 filed TRC represents reported results through Q1. TRC values are not representative of full-year performance, and are subject to change in future quarters. Any erroneous reporting values will be corrected in future reporting quarters.

⁽c) 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.

⁽d) 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 by 40% or more are marked as "n/a" because contracts will be in place at least through the end of 2021.

Attachment 3

Supplemental Budget Tables

PG&E 2021 ABAL Attachment 3 – Supplemental Budget Tables

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	C.	Attachment-A, Question C.10	. 7

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) 2021 Annual Budget Advice Letter filings. The three parties agreed on a template to be submitted with each PA's 2021 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 2021 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 3 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 3 for Supplemental Budget Information.

3. Staffing needs by department/organization, including current and forecast for 2021, as well as a description of what changes are expected in the near term (2022-23) or why it is impossible to predict beyond 2021, if that is the Program Administrator's position.

PG&E's staffing for 2019 and 2021 forecast are provided in the "Portfolio Headcount (FTE)" table in Appendix I.C. PG&E cannot currently predict EE staffing needs by department/organization beyond 2021 because staffing needs are contingent upon the outcome of statewide and third-party program solicitations and ongoing portfolio balancing activities. PG&E will continue to identify opportunities to reduce labor costs over time.

Therefore, PG&E forecasted some reductions in 2021 in anticipation of these changes but is not able to predict beyond 2021 until PG&E knows the result of portfolio balancing and the level of PA support needed by new implementers. For example, if implementers opt-in to additional Informational Technology (IT), Marketing, or Sales team support, PG&E's costs in these functions could increase. As PG&E heads into 2021 with more information, PG&E can provide an update to our 2022 ABAL forecasts.

4. Non-program functions currently performed by contractors (e.g. advisory consultants), as well as a description of what changes are expected in the near term (2022-2023) or why it's impossible to predict beyond 2021, if that is the PA's position.

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 3 for Supplemental Budget Information.

6. Explanation of method for forecasting costs.

PG&E's 2021 ABAL was forecasted using forecasting inputs for new local third-party programs, new statewide programs, and continuing existing programs. Forecast data for its new local third-party programs were based on inputs submitted by the third parties that were awarded contracts through PG&E's solicitations. In cases where commercial and residential sector new third-party program contracts are still pending, PG&E included placeholder forecasts. For new statewide programs in PG&E's forecast in which PG&E is the lead PA, PG&E developed the forecasts. For new statewide programs led by another PA, PG&E used forecast data provided by the lead PA.

Forecast staffing levels reflect anticipated reductions due to PG&E's continued focus on driving out labor costs by finding efficiencies in PG&E's program delivery activities. Actual costs may vary depending on the result of portfolio balancing and the level of PA support needed by PG&E's new implementers.

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 3 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 3 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 2017 general rate case (GRC).

Cost Driver	2019 Expenditures	2021 Forecast	Difference
Program Design and Delivery	\$255.4	\$195.6	-\$59.8
Program Fulfillment	\$2.8	\$2.1	-\$0.7
Operations Support	\$14.3	\$13.5	-\$0.8
Total*	\$272.5	\$211.2	-\$61.3

^{*}This is the Total Sector Budget, which excludes EM&V, DSM, On Bill Financing (OBF) Loan Pool, Bay Area Regional Network (BayREN), Marin Clean Energy (MCE), and Tri-County Regional Network (3C-REN).

Program Design and Delivery – overall decrease in cost primarily associated with the following drivers:

- Existing program ramp-down in anticipation of new programs.
- Addition of third-party and statewide contracts.
- Decrease in staffing due to operational efficiencies.

Program Fulfillment – Overall decrease in staffing costs due to fewer custom projects for inspections and fewer rebates being processed.

Operations Support —Primarily driven by lower IT O&M costs and reduction in discretionary IT project spend. Absorbing costs for additional Policy, Strategy and Regulatory Reporting Compliance activity within the EE proceeding since 2019, including working towards statewide and outsourcing portfolio compliance targets, NMEC policy and reporting, potential and goals analysis and related filings, revised Business Plan development, continued ABAL filings, market transformation framework participation, among other activities.

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

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

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., Energy Upgrade California (EUC) Home Upgrade, 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, Governmental Partnerships)

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 Energy Upgrade California 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</u> also do non-EE work (e.g. Customer Account Representatives?)

PG&E identifies the following functions:

- Account Management / Sales
- Engineering Services support (Applied Technical Services Organization)
- EM&V
- Call Centers
- Marketing, Education and Outreach (ME&O)
- Inspections
- Information Technology (IT and System Administration)
- Program Management support (Sourcing Organization)
- Portfolio Analytics
- Policy, Strategy, and Regulatory Reporting Compliance support (Business Finance Organization, Financial Reporting & Governance)
- 4. Are labor costs charged to EE fully loaded?

Yes.

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

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. When EE and non-EE activities are supported by the same non-labor resources, how 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 well as EE, if any</u>

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

II. BUDGET TABLES INCLUDING INFORMATION IDENTIFIED INTHE 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. TURN and ORA invite the PAs to propose a common table format for this information. 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 3 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 (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. TURN and ORA invite the PAs to propose a common table format for this information.

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.9 Table.

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

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

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. TURN and ORA invite the PAs to propose a common table format for this information. 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.10 Table.

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 3 for Supplemental Budget Information. For PG&E's budgets for Statewide Programs, please refer to the Statewide Budget Table in Table 8 of Attachment 4 of PG&E's 2021 ABAL.

PG&E 2021 ABAL Attachment 3: Supplemental Budget Information

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I.B.	Energy Efficiency "Full Time Equivalent" Headcount: Portfolio Staffing
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PG&E 2021 ABAL Attachment 3: Supplemental Budget Information

Appendix I.A1.

Narrative Description – Functions Conducted by Each Department/Organization

Codes and Standards (C&S) & Cross Cutting: C&S works with local, state, and federal authorities to develop and substantiate new building codes and appliance standards. C&S also supports compliance improvement through development and delivery of education, training, and tools. Major functions and areas of responsibility include Building Energy Codes Advocacy, Appliance Standards, Reach Codes and Planning/Coordination. This team also manages the new construction programs.

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: This team oversees the implementation of a business strategy to transition at least 60% of the EE budget to fund EE programs proposed, designed, implemented and delivered by third party vendors and at least 25% of EE budget to fund statewide programs by 2022.

EE Quality Control and Communications (QC&C): The EE QC&C team includes the Deemed Platform Quality Control (DPQC) team, and the Custom Implementation Team (CIT),. 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 and manages the CPUC's Custom Project Review process for calculated projects. 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.

Field Engineering Services: The Field Engineering Services team supports implementation and technical review of our calculated energy efficiency programs through on-site auditing services, calculation assistance, and technical support for our sales and service staff.

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, Analytics & Compliance: This team provides strong and sound policy direction and leadership to EE Programs to empower them with the knowledge and tools they need to drive business objectives, achieve EE savings goals, and demonstrate strength in program administration. It also provides direction for future EE portfolio administration. Addresses long-term EE strategic issues and related regulatory and legislative policy issues that arise at state and national levels. Aims to Influence long term policy to advance PG&E's EE goals and ensure PG&E's leadership in EE is well represented in key markets.

Portfolio Strategy & Optimization: This team focuses on proactively planning for and overseeing the strategy and health of the EE portfolio

Residential and Partnership Programs: This team designs, manages and delivers programs that engage and support residential customers. In addition, this team also manages local and regional partnerships covering nearly every city and county in PG&E's service territory as well as supports four statewide joint-Investor Owned Utilities (IOU) institutional partnerships. The team serves as the Public Sector lead for the EE Portfolio overseeing the strategy and programs that serve cities, counties, public schools, special districts, higher education institutions and state government organizations.

Organizations Outside EE that Support EE Activities

Application Management: Application Management includes Enrollment & Incentive Management (E&IM). E&IM manages vendor contract with Parago, PG&E's partner for residential rebate fulfillment services; 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: The BDCE Performance Reporting & Analysis team supports 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 (CIX): 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.

EE Evaluation, Measurement, and Verification (EM&V): conducts EE market and program evaluations for the purposes of program improvement, and to inform long-term program and policy planning. The team works to ensure that CPUC EM&V study methods and implementation provide results and savings values that are reasonable, reliable, actionable and accurate. In addition, the team provides support for development of EE goals and potential, long-term EE savings forecasts, and cost-effectiveness calculations.

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.

Financial Reporting & Governance (FR&G): In collaboration with Business Finance, FR&G 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. FR&G also leads supplier diversity activities for Customer Care.

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 high quality advice, counsel, and representation of the Company. It provides actionable feedback to the lines of business in order 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.

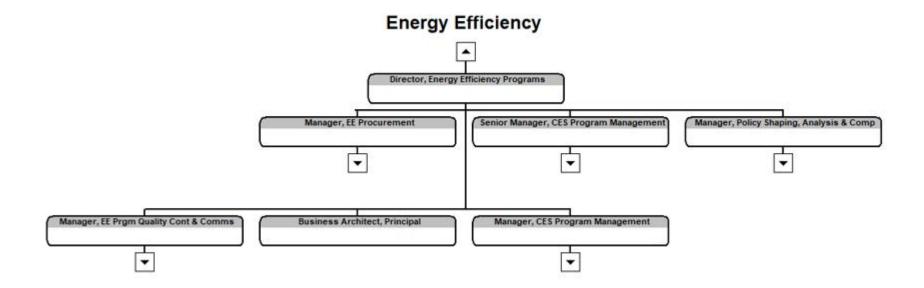
Smarter Energy Line (SEL): Smarter Energy Line (SEL) is a designated group of call center representatives that provide residential customers information about energy reduction, energy savings, rebates, energy efficient appliance options, Energy Partners, and PG&E's many program offerings. The team's 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.

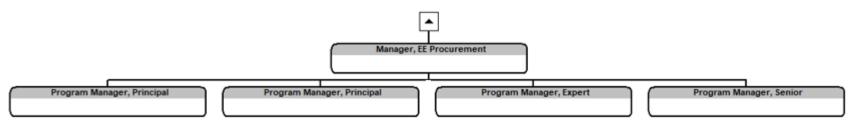
Sourcing: The Sourcing organization is the functional lead for the procurement of materials and services. The department collaborates with internal clients and suppliers to develop mutually beneficial total cost solutions for goods and services. To provide dedicated and expert service, the Sourcing organization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

PG&E 2021 ABAL Attachment 3: Supplemental Budget Information

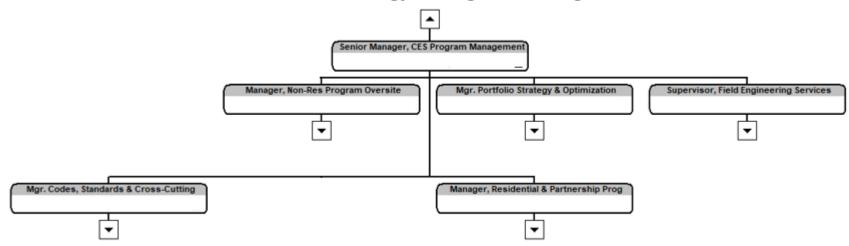
Appendix I.A.2.
PG&E's Energy Efficiency Department Organizational Charts as of August 3, 2020



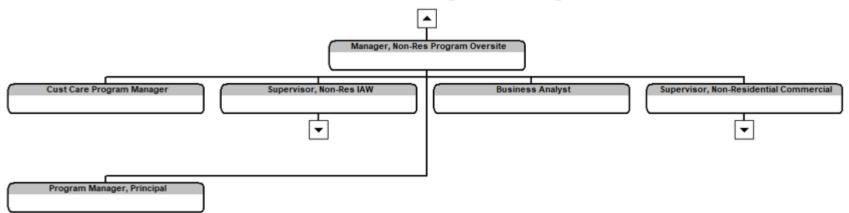
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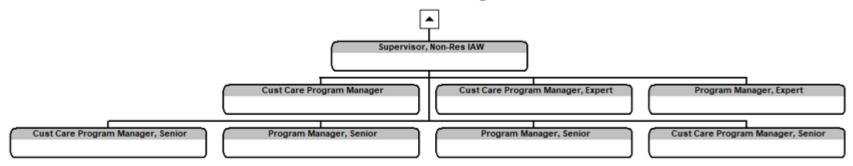
Portfolio Strategy & Program Oversight



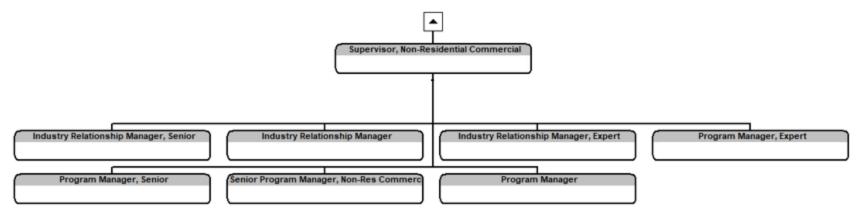
Non-Residential Program Oversight



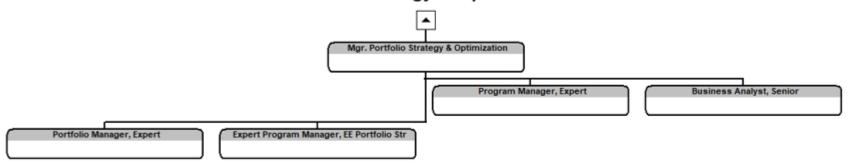
Non-Res IAW Programs



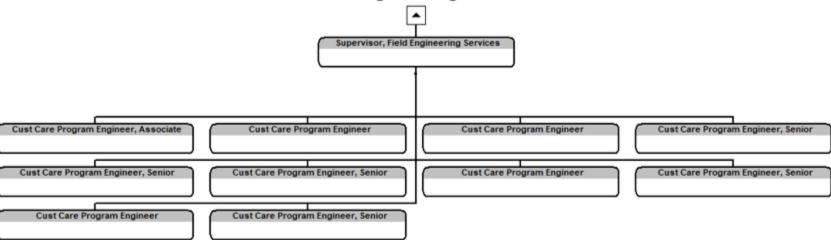
Non-Residential Commercal



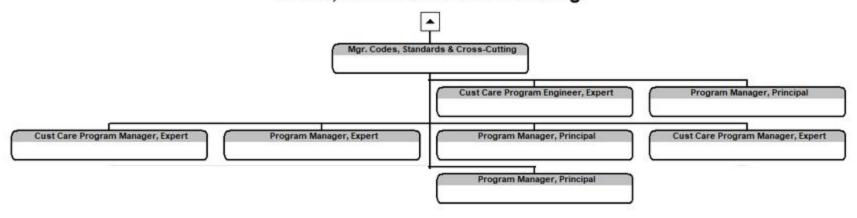
Portfolio Strategy & Optimization



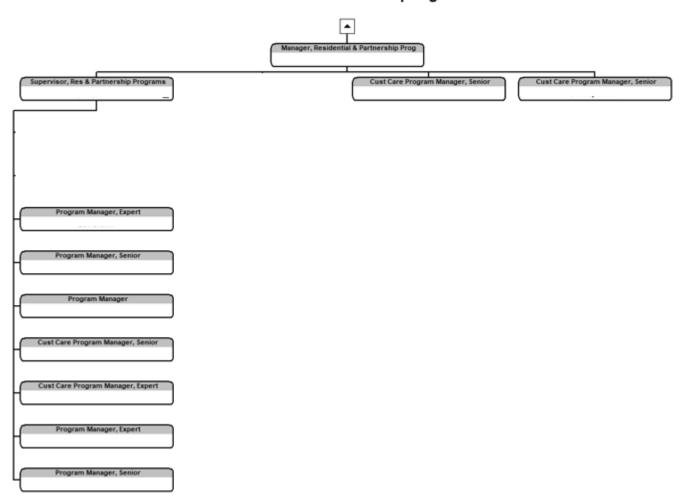
Field Engineering Services



Codes, Standards & Cross-Cutting



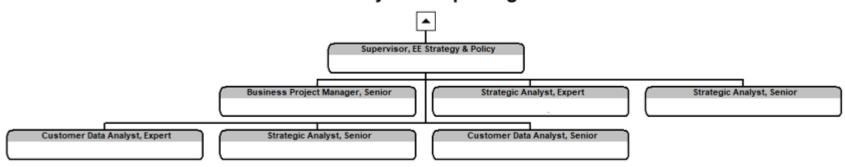
Residential & Partnership Prgms



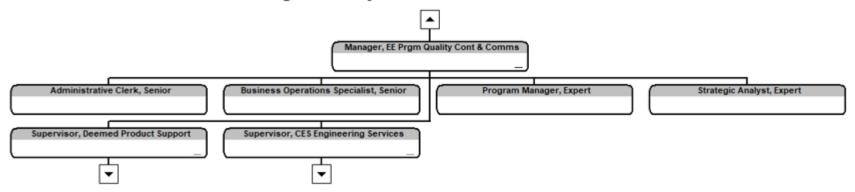
Policy Shaping, Analytics & Compliance



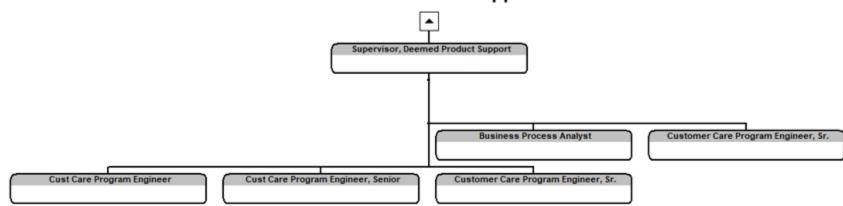
Policy and Reporting



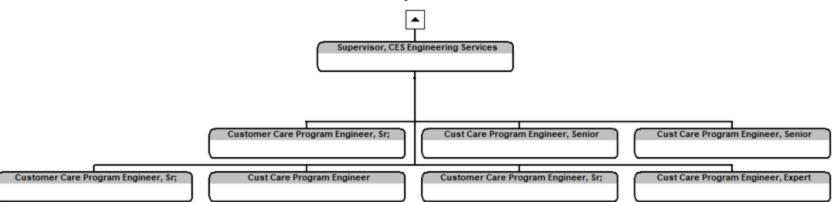
EE Prgm Quality Control & Communications



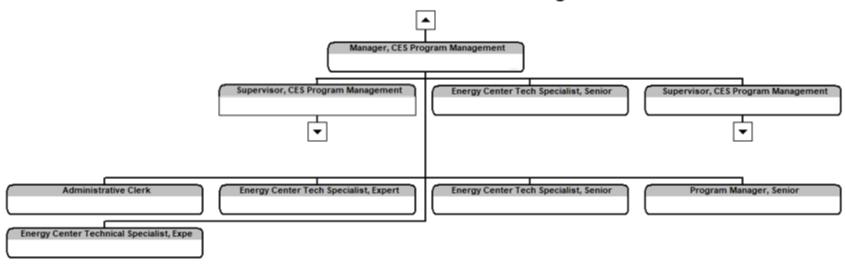
Deemed Product Support



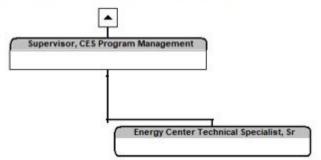
Custom Implementation



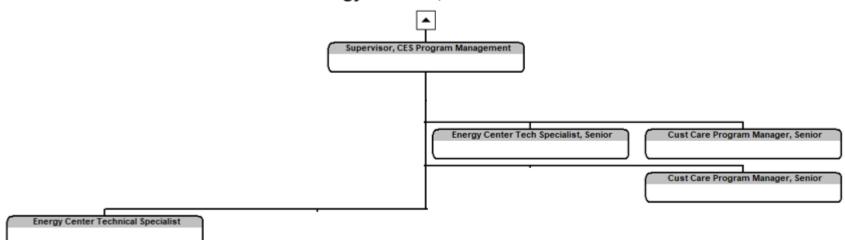
Workforce Education & Training



Energy Centers, Commercial



Energy Centers, Residential



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
- EM&V
- System Administration
- Financial Reporting & Governance
- IT
- Law
- Local Customer Experience
- Call Center
- Smarter Energy Line
- · Solutions Marketing
- Sourcing

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

Sector	Cost Element	Functional Group	2019 EE Expenditures (\$Million)	2021 EE Budget (\$Million)	Difference	Drivers	
PG&E Portfolio including EM&V and DSM, excluding OBF Loan Pool	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$3.9	\$3.9	\$0.0	Absorbing costs for additional activity within the EE proceeding since 2019, including working towards statewide and outsourcing portfolio compliance targets, NMEC policy and reporting, potential and goals analysis and related filings, revised Business Plan development, continued ABAL filings, market transformation framework participation, among other activities.	
		Program Management	\$13.7	\$12.3	-\$1.4	Reduction in PM staffing as more of the Portfolio transitions to 3rd party implemented programs.	
		Engineering services	\$6.4	\$6.6	\$0.2	Plan to transition down consultant work and bring it back in house, as well as scale with lower demand for custom work.	
		Customer Application/Rebate/Incentive Processing	\$1.9	\$1.4	-\$0.5	Reduction in rebate processing as volume is lower.	
		Customer Project Inspections	\$0.7	\$0.6	-\$0.2	Decreased volume in project inspections.	
		Portfolio Analytics	\$1.2	\$1.0	-\$0.2	Small decrease due to efficiencies in analytical processes.	
		ME&O (Local)	\$2.4	\$2.4	\$0.0	Immaterial.	
			Account Management / Sales	\$9.2	\$8.7	-\$0.5	Reduction in account management staffing due to lower volume in PG&E-led core programs and overall decrease in EE projects in the Non-Residential sectors (Commercial, Industrial, Agriculture, Public)
		IT	\$4.5	\$3.6	-\$0.9	Decrease due to lower O&M costs and reduction in discretionary project spend.	
		Call Center	\$0.4	\$0.4	\$0.0	Immaterial.	
		EM&V	\$1.2	\$1.1	-\$0.1	Immaterial.	
	Labor Total		\$45.6	\$42.1	-\$3.5	Reduction includes absorbing two years of annual inflation.	

Sector	Cost Element	Functional Group	2019 EE Expenditures (\$Million)	2021 EE Budget (\$Million)	Difference	Drivers
	Non-Labor	Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10)	\$15.1	\$67.4	\$52.4	N/A as these are outsourced costs and the question asks for drivers of in-house costs.
		Local/Government Partnerships Contracts (3)	\$11.6	\$0.0	-\$11.6	N/A as these are outsourced costs and the question asks for drivers of in-house costs. Note: Local/Government Partnerships Contracts have been re-contracted and are now included as Third-Party Implementer Contracts.
		Other Contracts				
		Program Implementation	\$70.0	\$31.0	-\$39.0	Reduced existing programs' contracts spend to make room for new third-party and statewide contracts.
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.8	\$1.2	\$0.4	CAEECC and other ad hoc regulatory support contracts (e.g. Potential and Goals).
		Program Management	\$2.7	\$2.2	-\$0.4	Reduction in contractors supporting program management.
		Engineering services	\$6.8	\$4.7	-\$2.1	Plan to transition down consultant work and bring it back in house, as well as scale with lower demand for custom work.
		Customer Application/Rebate/Incentive Processing	\$0.2	\$0.2	\$0.0	Immaterial.
		Customer Project Inspections	\$0.0	\$0.0	\$0.0	Immaterial.
		Portfolio Analytics	\$0.0	\$0.0	\$0.0	Immaterial.
		ME&O (Local)	\$5.9	\$4.7	-\$1.2	Reduction in Marketing costs as Portfolio transitions to third-party implemented and implementers take on more of the marketing efforts of their respective programs.
		Account Management / Sales	\$0.2	\$0.2	\$0.0	Immaterial.
		IT	\$4.7	\$4.3	-\$0.4	Decrease due to lower O&M costs and reduction in discretionary project spend.
		Call Center	\$0.0	\$0.0	\$0.0	Immaterial.
		EM&V	\$13.2	\$8.4	-\$4.8	EM&V budgets are set at 4% and spend typically occurs in future years.
		Facilities				Included in Labor.

Sector	Cost Element	Functional Group	2019 EE Expenditures (\$Million)	2021 EE Budget (\$Million)	Difference	Drivers
		Incentives(PA-Implemented and Other Contracts Program Implementation) Programs	\$100.8	\$25.4	-\$75.4	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)	\$9.6	\$29.1	\$19.4	N/A as these are outsourced costs and the question asks for drivers of in-house costs.
	Non-Labor Tota		\$241.4	\$178.6	-\$62.7	
Total			\$287.0	\$220.7	-\$66.2	
	Other (collected through GRC) (2)	Labor Overheads	\$6.4	\$6.0	-\$0.4	2021 benefits burden amount represents estimated 2021 benefit burden expenditures. This estimate is calculated based on 2019 expenditures, reduction in 2021 FTEs forecast from 2019 FTEs, and 3% forecast inflation. The actual amount may differ based on the Benefit Burden decision rendered in the GRC proceeding.

- 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.17-05-013) Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

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

Functional Group	2019 EE Portfolio FTE	2021 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance	35.1	33.1
Program Management	68.4	57.7
Engineering Services	38.6	37.6
Customer Application/Rebate/Incentive Processing	22.8	15.6
Customer Project Inspections	5.4	3.9
Portfolio Analytics	7.1	5.6
EM&V	7.0	6.1
ME&O	11.1	10.6
Account Management / Sales	63.6	56.7
IT	41.2	31.2
Call Center	1.6	1.7
Total	301.8	259.7

^{(1) 2021} FTEs were calculated based on the change in labor costs between 2019 and 2021 (adjusted for a 3% escalation/year) and applying that change to 2019 FTEs.

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 p olicy, 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	от от _р то р то
		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	Marketing	Customer Programs, Products, and Services Marketing; Digital Product Development; Digital Content & Optimization
MEQU	EE marketing; no statewide; 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
IT	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	2019 EE Portfolio Expenditures (\$Million)	2021 EE Portfolio Budget (\$Million)
Residential	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$1.6	\$1.0
		Program Management	\$2.7	\$2.3
		Engineering services	\$0.5	\$0.3
		Customer Application/Rebate/Incentive Processing	\$0.4	\$0.2
		Customer Project Inspections	\$0.3	\$0.1
		Portfolio Analytics	\$0.4	\$0.2
		ME&O (Local)	\$0.8	\$1.0
		Account Management / Sales	\$0.0	\$0.0
		IT	\$1.3	\$1.1
		Call Center	\$0.4	\$0.1
	Labor Total		\$8.4	\$6.3
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$1.7	\$26.8
		Local/Government Partnerships Contracts	\$0.0	\$0.0
		Other Contracts		
		Program Implementation	\$15.1	\$1.9
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.3
		Program Management	\$0.8	\$0.5
		Engineering services	\$0.6	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.0
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$2.1	\$2.2
		Account Management / Sales	\$0.0	\$0.0
		IT	\$1.6	\$1.3
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$48.5	\$4.8
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$10.0	\$5.5
	Non-Labor Total	\$80.7	\$43.6	
Residential To			\$89.1	\$49.9
	Other (litigated through GRC) (2)	Labor Overheads	\$1.2	\$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.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

Sector	Cost Element	Functional Group	2019 EE Portfolio Expenditures (\$Million)	2021 EE Portfolio Budget (\$Million)
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Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.7	\$0.8
		Program Management	\$2.4	\$2.3
		Engineering services	\$2.4	\$2.0
		Customer Application/Rebate/Incentive Processing	\$0.5	\$0.2
		Customer Project Inspections	\$0.4	\$0.3
		Portfolio Analytics	\$0.3	\$0.2
		ME&O (Local)	\$1.2	\$0.8
		Account Management / Sales	\$3.3	\$2.3
		IT	\$1.1	\$0.7
		Call Center	\$0.0	\$0.1
	Labor Total		\$12.2	\$9.5
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.3	\$19.4
		Local/Government Partnerships Contracts (3)	\$0.0	\$0.0
		Other Contracts		
		Program Implementation	\$19.3	\$1.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.3
		Program Management	\$0.5	\$0.4
		Engineering services	\$2.6	\$1.6
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$2.3	\$1.1
		Account Management / Sales	\$0.1	\$0.0
		IT	\$1.2	\$0.8
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$28.6	\$6.5
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$15.9
	Non-Labor T		\$55.1	\$47.1
Commercial To	Total		\$67.3	\$56.6
	Other (litigated through		\$1.8	\$1.4
	GRC) (2)	Labor Overheads		

Ī				2019 EE	2021 EE
١	Cootor	Cost Element	Functional Crown	Portfolio	Portfolio
	Sector	Cost Element	Functional Group	Expenditures	Budget
				(\$Million)	(\$Million)
Ī	Industrial	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.6
			Program Management	\$1.0	\$1.1

⁽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.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

		Engineering services	\$1.0	\$1.7
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1
		Customer Project Inspections	\$0.0	\$0.1
		Portfolio Analytics	\$0.1	\$0.2
		ME&O (Local)	\$0.1	\$0.1
		Account Management / Sales	\$1.7	\$3.1
		IT	\$0.6	\$0.5
		Call Center	\$0.0	\$0.1
	Labor Total		\$4.8	\$7.5
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.2	\$5.1
		Local/Government Partnerships Contracts (3)	\$0.0	\$0.0
		Other Contracts		
		Program Implementation	\$11.9	\$3.8
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.2
		Program Management	\$0.2	\$0.3
		Engineering services	\$0.7	\$0.8
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.1
		Account Management / Sales	\$0.0	\$0.1
		IT	\$0.5	\$0.6
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$6.5	\$6.5
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10) (3)	-\$0.4	\$3.9
	Non-Labor Total		\$19.9	\$21.4
Industrial Total			\$24.7	\$28.9
	Other (litigated through GRC) (2)	Labor Overheads	\$0.7	\$1.1
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- (1) Labor costs are already loaded with employee benefits costs.(2) Negative incentives primarily represent a reversal of an accrual from the previous year.
- (3) These costs are collected in the EE balancing account but are litigated in the GRC Decision (D.17-05-013) Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

			2019 EE	2021 EE
	Cost		Portfolio Expenditures	Portfolio Budget
Sector	Element	Functional Group	(\$Million)	(\$Million)
Agricultural	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.3
		Program Management	\$0.6	\$0.5
		Engineering services	\$0.8	\$0.6
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1
		Customer Project Inspections	\$0.0	\$0.1
		Portfolio Analytics	\$0.1	\$0.1
		ME&O (Local)	\$0.1	\$0.1
		Account Management / Sales	\$1.1	\$1.3
		IT	\$0.4	\$0.2
		Call Center	\$0.0	\$0.0
	Labor Total		\$3.3	\$3.3
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.1	\$2.5
		Local/Government Partnerships Contracts (3)	\$0.0	\$0.0
		Other Contracts		
		Program Implementation	\$1.3	\$0.0
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.1
		Program Management	\$0.2	\$0.2
		Engineering services	\$0.5	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$0.3	\$0.2
		Account Management / Sales	\$0.0	\$0.0
		IT	\$0.3	\$0.3
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$4.9	\$4.7
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$2.4
	Non-Labor 7	Total	\$7.6	\$10.6
Agricultural To	tal		\$10.9	\$13.9
	Other (litigated through GRC) (2)	Labor Overheads	\$0.5	\$0.5
	GRU) (2)	Labor Overriedus		

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.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

			2019 EE	2021 EE
			Portfolio	Portfolio
_	Cost		Expenditures	Budget
Sector	Element	Functional Group	(\$Million)	(\$Million)
Public	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.6	\$0.3
		Program Management	\$2.6	\$1.4
		Engineering services	\$0.2	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.2	\$0.1
		ME&O (Local)	\$0.1	\$0.0
		Account Management / Sales	\$2.2	\$1.5
		IT	\$0.9	\$0.3
		Call Center	\$0.0	\$0.0
	Labor Total		\$6.8	\$4.0
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$0.0	\$5.2
		Local/Government Partnerships Contracts	\$11.6	\$0.0
		Other Contracts	,I	·
		Program Implementation	\$8.6	\$1.9
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.2	\$0.1
		Program Management	\$0.3	\$0.2
		Engineering services	\$0.3	\$0.2
		Customer Application/Rebate/Incentive Processing	\$0.0	\$0.0
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$0.2	\$0.0
		Account Management / Sales	\$0.0	\$0.0
		IT	\$0.9	\$0.3
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$12.2	\$2.8
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$1.4
	Non-Labor To		\$34.3	\$12.2
Public Total			\$41.1	\$16.1
	Other (litigated through GRC) (2)	Labor Overheads	\$0.9	\$0.6

⁽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.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

			2019 EE	2021 EE
	Coot		Portfolio	Portfolio
Sector	Cost Element	Functional Group	Expenditures (\$Million)	Budget (\$Million)
Cross-	Labor (1)	Policy, Strategy, and Regulatory Reporting Compliance	\$0.7	\$0.9
cutting		Program Management	\$4.4	\$4.7
		Engineering services	\$1.6	\$1.9
		Customer Application/Rebate/Incentive Processing	\$0.7	\$0.7
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.2	\$0.2
		ME&O (Local)	\$0.2	\$0.5
		Account Management / Sales	\$0.9	\$0.4
		IT	\$0.1	\$0.8
		Call Center	\$0.0	\$0.1
	Labor Total	- Call Conton	\$8.8	\$10.3
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$12.8	\$8.3
		Local/Government Partnerships Contracts	\$0.0	\$0.0
		Other Contracts	ψ0.0	Ψ0.0
		Program Implementation	\$13.8	\$22.4
		Policy, Strategy, and Regulatory Reporting Compliance	\$0.1	\$0.3
		Program Management	\$0.7	\$0.6
		Engineering services	\$2.1	\$1.7
		Customer Application/Rebate/Incentive Processing	\$0.1	\$0.1
		Customer Project Inspections	\$0.0	\$0.0
		Portfolio Analytics	\$0.0	\$0.0
		ME&O (Local)	\$0.7	\$1.0
		Account Management / Sales	\$0.0	\$0.0
		IT	\$0.3	\$0.9
		Call Center	\$0.0	\$0.0
		Facilities	\$0.0	\$0.0
		Incentives(PA-implemented and Other Contracts Program Implementation) Programs	\$0.0	\$0.0
		IncentivesThird Party Program (as defined per D.16-08-019, OP 10)	\$0.0	\$0.0
	Non-Labor	Fotal	\$30.5	\$35.4
Cross-cutting	Total	\$39.3	\$45.7	
	Other (litigated through GRC) (2)	Labor Overheads	\$1.3	\$1.5

⁽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.17-05-013) - Decision Authorizing Pacific Gas and Electric Company's General Rate Case Revenue Requirement for 2017-2019, issue date of May 11, 2017. The 2020-2022 GRC Decision is still pending at the time of this filling.

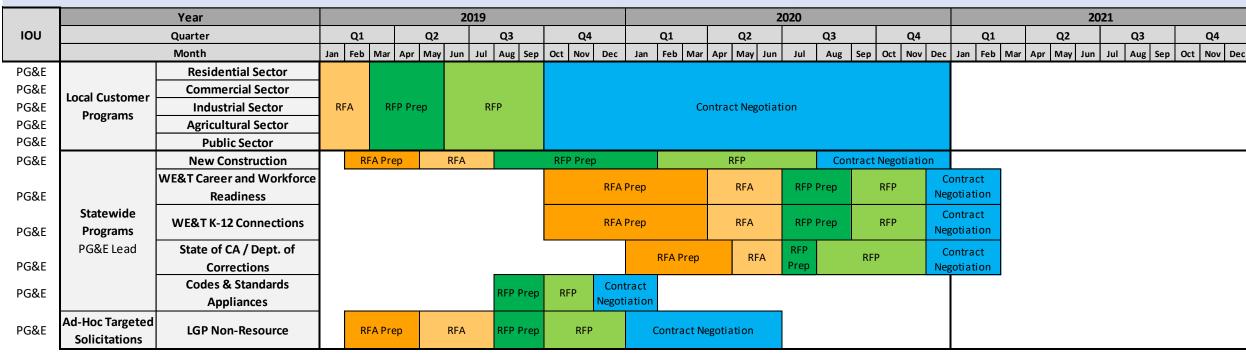
Appendix II.A. Question C-8: Portfolio Summary

	2019 EE	Portfolio Expe	enditures (\$M	illion)		2021 EE Portfoli	o Budget (\$Mi	llion)	2019 EE	Portfolio S	avings	2021 EE Portfolio Forecasted Savings			
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MTHERMS	KWH	KW	MTHERMS	
Residential	\$8.4	\$22.2	\$58.5	\$89.1	\$6.3	\$33.3	\$10.3	\$49.9	319,006,980	53,794	4.6	178,135,896	44,668	6.8	
Commercial	\$12.2	\$26.5	\$28.6	\$67.3	\$9.5	\$24.7	\$22.4	\$56.6	95,775,512	18,860	2.0	90,210,572	12,868	3.7	
Agricultural	\$3.3	\$2.7	\$4.9	\$10.9	\$3.3	\$3.5	\$7.1	\$13.9	18,135,463	6,478	0.1	17,782,872	3,962	0.1	
Industrial	\$4.8	\$13.9	\$6.0	\$24.7	\$7.5	\$11.0	\$10.4	\$28.9	18,362,190	1,325	5.4	47,017,763	4,031	3.4	
Public (GP)	\$6.8	\$22.0	\$12.2	\$41.1	\$4.0	\$8.0	\$4.2	\$16.1	50,057,650	6,837	0.0	14,775,962	1,701	0.2	
Cross Cutting*	\$8.8	\$30.5	\$0.0	\$39.3	\$10.3	\$35.4	\$0.0	\$45.7	748,297,203	165,187	15.2	1,023,053,958	220,550	14.6	
Total Sector Budget	\$44.3	\$117.8	\$110.4	\$272.5	\$40.9	\$115.9	\$54.4	\$211.2	1,249,634,998	252,480	27.3	1,370,977,024	287,780	28.8	
DSM	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	n/a	n/a	n/a	n/a	n/a	n/a	
EM&V-PA	\$1.2	\$1.2	\$0.0	\$2.5	\$1.1	\$1.9	\$0.0	\$3.0	n/a	n/a	n/a	n/a	n/a	n/a	
EM&V-ED	\$0.0	\$11.9	\$0.0	\$11.9	\$0.0	\$6.5	\$0.0	\$6.5	n/a	n/a	n/a	n/a	n/a	n/a	
OBF - Loan Pool	\$0.0	\$0.0	\$31.1	\$31.1	\$0.0	\$0.0	\$17.0	\$17.0	n/a	n/a	n/a	n/a	n/a	n/a	
EE Total	\$45.6	\$131.0	\$141.4	\$318.0	\$42.1	\$124.2	\$71.4	\$237.7	n/a	n/a	n/a	n/a	n/a	n/a	

^{*} Cross Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Financing.

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

Joint IOU Energy Efficiency Solicitation Timeline Schedule as of 7/30/2020 (Schedule may be subject to change at IOU's discretion)



Attachment 4

Appendices

PG&E 2021 ABAL Attachment 4 Appendix Tables

All Attachment 4 Appendix Tables are downloadable on PG&E's 2021 Budget Filing dashboard on CEDARS.

Appendix Table Number	Location in Filing Materials						
Tables 1 – 8	Included in this attachment.						
Table 9	Included as Table 1 of the advice letter.						
Table 10	Included in this attachment.						
Tables 11 – 18 (and Functions Definitions table)	Included in Attachment 3 for Supplemental						
Tables 11 – 18 (and Functions Delimitions table)	Budget Information.						
Table 19	Included in this attachment.						

PA Name: Pacific Gas and Electric Company

Budget Year: 2021

Table 1 -Bill Payer Impacts - Rates by Customer Class											
	Electric Average Rate (Res and Non-Res) \$/kwh	Gas Average Rate (Non-CARE Residential) \$/therm	Total Average Bill Savings by Year (\$)	Total Average Lifecycle Bill Savings (\$)							
Present Rates - System Average											
2018	\$ 0.19545	\$ 1.53810	\$ 296,725,167	\$ 3,461,239,273							
2019	\$ 0.20701	\$ 1.56836	\$ 301,462,245	\$ 3,456,129,207							
2020	\$ 0.22169	\$ 1.68169	\$ 274,428,669	\$ 3,129,687,409							
2021*	\$ 0.22213	\$ 1.67328	\$ 352,761,643	\$ 3,974,867,028							

* = Based on current effective rates

- 1) Average first year electric bill savings is calculated by multiplying an average electric rate with first year net kWh energy savings.
- 2) Average first year gas bill savings is calculated by multiplying an average gas rate with first year net therm energy savings.
- 3) Total average first year bill savings is the sum of Notes 1 and 2.
- 4) Average lifecycle electric bill savings is calculated by multiplying an average electric rate with lifecycle net kWh energy savings.
- 5) Average lifecycle gas bill savings is calculated by multiplying an average gas rate with lifecycle net therm energy savings.
- 6) Total average lifecycle bill savings is the sum of Notes 4 and 5.
- 7) As of 5/1/2020, the bundled average electric rate is \$0.22169
- 8) As of 8/1/2020, the bundled average gas rate is 1.6656 per therm before the impact of EE programs.
- 9) Total Average Bill Savings by Year and Lifecycle Bill Savings include C&S net lifecycle savings and exclude ESA Programs.
- 10) Consistent with SPM TRC/PAC/RIM tests, all savings used from actuals and forecasts in this table are net not gross
- 11) 2018 and 2019 estimated bill savings are based on energy savings from program year annual reports, and 2020 and 2021 estimated bill savings are based on the 2020 and 2021 ABAL forecasts.

PA Name: Pacific Gas and Electric

Budget Year: 2021

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

Table 2a - Electric Bill Payer Impacts - Current and Proposed	Kevenues anu	Kates, Total and I	Energy Efficiency, by Custo	mer Cias	3	2019 Energy								
	2019 I	Energy Efficiency				Efficiency Portion	2020 Energy Efficiency				2021 Proposed Energy			2021 Energy Efficiency
		Annual Revenue		2019	Electric	of Electric Average		2020 Percenta	ge	2020 Electric		2021 Proposed Percentage	2021 Electric	Portion of Electric Average
		Change	2019 Percentage Change		age Rate	Rate	Change	Change In	8-	Average Rate	Revenue Change	Change In Electric	Average Rate	Rate
Customer Classes		\$000	In Electric Revenues		/kwh	\$/kwh	\$000	Electric Revenu	ies	\$/kwh	\$000	Revenues	\$/kWh	\$/kWh
Bundled														
Residential	\$	73,572	2.3%	\$	0.21522	\$ 0.00488	\$ 35,082	1.1%	\$	0.22913	\$ 7,132	0.2%	\$ 0.22976	\$ 0.00304
Commercial - Small	\$	20,179	2.2%	\$	0.24953	\$ 0.00532	\$ 8,713	1.1%	\$	0.26618	\$ 1,771	0.2%	\$ 0.26627	\$ 0.00334
Commercial - Medium	\$	14,730	2.0%	\$	0.22316	\$ 0.00434	\$ 6,966	1.0%	\$	0.23721	\$ 1,416	0.2%	\$ 0.23740	\$ 0.00271
Commercial - Large	\$	17,372	2.0%	\$	0.19801	\$ 0.00383	\$ 8,377	1.0%	\$	0.20694	\$ 1,703	0.2%	\$ 0.20726	\$ 0.00238
Streetlights	\$	720	2.1%	\$	0.25842	\$ 0.00522	\$ 235	0.9%	\$	0.30458	\$ 48	0.2%	\$ 0.30463	\$ 0.00325
Standby	\$	1,431	2.9%	\$	0.15881	\$ 0.00454	,		\$	0.18482	\$ 210	0.2%	\$ 0.18577	\$ 0.00271
Agricultural	\$	18,001	1.9%	\$	0.21202		\$ 9,005		\$	0.25109	\$ 1,831	0.2%	\$ 0.25146	\$ 0.00235
Industrial	\$	17,662	1.7%	\$	0.15858	\$ 0.00272	\$ 8,926	0.8%	\$	0.16657	\$ 1,815	0.2%	\$ 0.16696	\$ 0.00167
<u>Direct Access Service</u>														
Residential	\$	63,999	3.2%	\$	0.15968		\$ 35,126		\$	0.17293	\$ 7,141	0.3%	\$ 0.17362	\$ 0.00304
Commercial - Small	\$	23,561	3.5%	\$	0.15903				\$	0.17919	\$ 2,706		\$ 0.17929	
Commercial - Medium	\$	23,919		\$	0.12799			1.5%	\$	0.14831	\$ 2,422		\$ 0.14850	\$ 0.00271
Commercial - Large	\$	34,856	3.8%	\$	0.10359	\$ 0.00383	\$ 18,340	1.7%	\$	0.11757	\$ 3,728	0.3%	\$ 0.11788	\$ 0.00238
Streetlights	\$	645		\$	0.16670	\$ 0.00522	\$ 427		\$	0.17360	\$ 87		\$ 0.17365	\$ 0.00325
Standby	\$	159		\$	0.15321	\$ 0.00454			\$	0.16453	\$ 23		\$ 0.16524	\$ 0.00271
Agricultural	\$	3,783		\$	0.14988	\$ 0.00388			\$	0.16531	\$ 411	0.2%	\$ 0.16567	\$ 0.00235
Industrial	\$	26,304	4.1%	\$	0.06828	\$ 0.00272			\$	0.07743	\$ 2,664		\$ 0.07779	\$ 0.00168
Departed Load	\$	6,360	25.2%				\$ 4,803	10.6%			\$ 976	2.0%		

 $[\]ast$ 2020 total revenues from May 1, 2020 Rate Change as filed in AL 5661-E

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

Customer Classes	Gas A	Energy Efficiency Annual Revenue Change * \$000	2019 Percentage Change In Gas Revenue	2019 Gas Average Rate \$/therm	2019 Energy Efficiency Portion of Gas Average Rate \$/therm	2020 Energy Efficiency Gas Annual Revenue Change \$000	2020 Percentage Change In Gas Revenue	e	2020 Gas Average Rate \$/therm	2021 Proposed Energy Efficiency Gas Annual Revenue Change \$000	2021 Proposed Percentage Change In Gas Revenue	2021 Gas Average Rate \$/therm	2021 Energy Efficiency Portion of Gas Average Rat \$/therm
Core Retail Bundled		,									g		
Residential - Non-CARE	\$	16,264	0.8%	\$ 1.5684	\$ 0.0127	\$ 3,986	0.2%	\$	1.6817	\$ (10,833)	-0.5%	\$ 1.6733	\$ 0.0073
Residential - CARE	\$	4,245	0.8%	\$ 1.2443	\$ 0.0127	\$ 1,040	0.2%	\$	1.3247	\$ (2,828)	-0.5%	\$ 1.3163	\$ 0.0073
Commercial - Small	\$	12,822	2.4%	\$ 1.0966	\$ 0.0293	\$ 3,142	0.6%	\$	1.2146	\$ (8,540)	-1.5%	\$ 1.1953	\$ 0.0168
Commercial - Large	\$	704	2.1%	\$ 0.7631	\$ 0.0197	\$ 173	0.6%	\$	0.8316	\$ (469)	-1.5%	\$ 0.8187	\$ 0.0113
Commercial - Natural Gas Vehicle	\$	-	0.0%										
Core Retail - Transportation Only													
Residential - Non-CARE	\$	1,951	1.1%	\$ 1.2533	\$ 0.0127	\$ 478	0.3%	\$	1.3501	\$ (1,299)	-0.7%	\$ 1.3417	\$ 0.0073
Residential - CARE	\$	509	1.1%	\$ 0.9292	\$ 0.0127	\$ 125	0.3%	\$	0.9932	\$ (339)	-0.7%	\$ 0.9848	\$ 0.0073
Commercial - Small	\$	9,483	3.7%	\$ 0.7979	\$ 0.0293	\$ 2,324	0.8%	\$	0.9031	\$ (6,316)	-2.1%	\$ 0.8838	\$ 0.0168
Commercial - Large	\$	613	3.7%	\$ 0.4932	\$ 0.0197	\$ 150	0.9%	\$	0.5571	\$ (408)	-2.3%	\$ 0.5441	\$ 0.0113
Commercial - Natural Gas Vehicle	\$	-											
Noncore- Transportation Only ²													
Industrial - Distribution	\$	7,344	8.2%	\$ 0.3761	\$ 0.0294	\$ 1,800	1.8%	\$	0.3964	\$ (4,892)	-4.8%	\$ 0.3770	\$ 0.0169
Industrial - Transmission	\$	13,830	5.7%	\$ 0.2011	\$ 0.0084	\$ 3,354	1.2%	\$	0.2003	\$ (9,193)	-3.3%	\$ 0.1947	
Industrial - Backbone	\$	112	15.6%	\$ 0.1071	\$ 0.0084	\$ 63	8.1%	\$	0.0930	\$ (93)	-11.1%	\$ 0.0874	\$ 0.0049
Electric Generation			0.0%										
Natural Gas Vehicle			0.0%										
Wholesale			0.0%										
Unbundled Backbone and Storage			0.0%										
Total Annual Revenue Requirement	\$	67,877	1.5%			\$ 16,636				\$ (45,210)			

^{*2019} Energy Efficiency Revenues were allocated based on the adopted GCAP volumes (D. 19-10-036) in order to isolate the impacts of the change in Energy Efficiency Revenues only.

** Gas revenue requirements from Appendix Table 3c are reflected in this rate impact table.

^{**} Electric revenue requirements from Appendix Table 3c are reflected in this rate impact table.

PA Name: Pacific Gas and Electric Company

Budget Year: 2021

Table 3a - Budget and Cost Recovery by Funding Source

	2021
2021 EE Portfolio Budget	\$ 274,557,408
Unspent/Uncommitted Program Carryover Funds from 2020	\$ 24,074,755
Total Funding Request for 2021 EE Portfolio	\$ 250,482,654

Table 3b - Budget by Funding Source [1]

2021 Authorized (Before Carryover)	2021 Budget	Allocation
Electric Procurement EE Funds	\$ 228,031,841	83.05%
Gas PPP Surcharge Funds	\$ 46,525,567	16.95%
Total Funds	\$ 274,557,408	100%

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

		Allocation after
	2021 Revenue	Carryover
2021 Authorized Funding in Rates (including carryover)	Requirement	adjustment
Electric Procurement EE Funds	\$ 211,179,513	84.3%
Gas PPP Surcharge Funds	\$ 39,303,141	15.7%
Total Funds	\$ 250,482,654	100%

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

		Electric				
Total Unspent/Uncommitted Funds	Electric PGC	Procurement	Т	otal Electric	Gas	Total
2020	\$ -	\$ 16,852,328	\$	16,852,328	\$ 7,222,426	\$ 24,074,755
2018-2019	\$ -	\$ -	\$	-	\$ -	\$ -
Total Pre-2021	\$ -	\$ 16,852,328	\$	16,852,328	\$ 7,222,426	\$ 24,074,755

		Electric			
EM&V Unspent/Uncommitted Funds [2]	Electric PGC	Procurement	Total Electric	Gas	Total
2020	\$ -	\$ -	\$ -	\$ -	\$ -
2018-2019	\$ -	\$ -	\$ -	\$ -	\$ -
Total Pre-2021	\$ -	\$	\$ -	\$ -	\$ -

		Electric				
Program Unspent/Uncommitted Funds [2]	Electric PGC	Procurement	T	otal Electric	Gas	Total
2020	\$ -	\$ 16,852,328	\$	16,852,328	\$ 7,222,426	\$ 24,074,755
2018-2019	\$ -	\$ -	\$	-	\$ -	\$ -
Total Pre-2021	\$ -	\$ 16,852,328	\$	16,852,328	\$ 7,222,426	\$ 24,074,755

[1] The electric and gas split for program year 2021 is forecasted to be 83%/17%, applicable to the portion of PG&E's EE portfolio budget that will not be supporting fuel substitution program activities. The portfolio budget that is forecasted to support fuel-substitution activities will be recovered 100% through electric rates only. See advice letter Section III.J.1., Table 15 for more details on the fuel-substitution budget. The resulting electric/gas split for the entire portfolio, including fuel-substitution activities, is 84.3% electric / 15.7% gas.

[2] Carryover for BayREN, 3C-REN, and MCE were taken from their respective 2021 ABAL presentations to CAEECC on August 5, 2020. Carryover from these presentations is assumed to include carryover from both 2019 and 2020, but the carryover estimates were not broken out by year. PG&E assumed the 2020 electric/gas split of 70%/30% for all carryover in the absence of more precise information. Final 2021 cost recovery amounts, including carryover broken out by program year and corresponding electric/gas split, will be filed by PG&E in a Tier 1 advice letter following the issuance of 2021 ABAL dispositions for PG&E, BayREN, 3C-REN, and MCE.

PA Name: Pacific Gas and Electric Company

Table 4 - Budget, Spent, Unspent, Carryover Details [1]

New/Existing Program #	Discontinued Program #	Main Program Name / Sub-Program Name		Main Program Name / Sub-Program Name		Main Program Name / Sub-Program Name		2020 Budget Spent as of 07/31/2020 [2]	202	1 Proposed Budget	2021 Budget Offset (Expected 2020 Unspent/ Uncommitted and Any Remaining Pre- 2020 Unspent/ Uncommitted Funding)	2021 Funds Requested	Program Type	New Business Sector
Residential - Local														
	PGE21001	Residential Energy Advisor [3]	\$	12,197,688	\$	-	\$ -	\$ -	IOU Core/Statewide	Residential				
			-				:							
	PGE21004	Energy Upgrade California [4]	\$	(73,923)		-	\$ -	\$ -	IOU Core/Statewide	Residential				
	PGE21006	Residential HVAC [4]	\$			-	\$ -	\$ -	IOU Core/Statewide	Residential				
	PGE210010	Pay for Performance Pilot [3]	\$			-	\$ -	\$ -	Third/Local Party	Residential				
PGE_Res_002a		Residential Energy Advisor - HEC	\$		\$	2,165,909		\$ 2,165,909	Third/Local Party	Residential				
PGE_Res_002b		Residential Energy Advisor - Marketplace	\$		\$	1,484,048		\$ 1,484,048	Third/Local Party	Residential				
PGE_Res_002c		Residential Energy Advisor - Home Energy Reports	\$		\$	8,448,590		\$ 8,448,590	Third/Local Party	Residential				
PGE21002		Residential Energy Efficiency	\$	2,071,758	\$	949,405		\$ 949,405	IOU Core/Statewide	Residential				
PGE21005		Residential New Construction	\$			3,937,257		\$ 3,937,257	IOU Core/Statewide	Residential				
PGE21007		California New Homes Multifamily	\$	741,063		2,512,779		\$ 2,512,779	Third/Local Party	Residential				
PGE_Res_001a		Pay for Performance – Comfortable Home Rebates	\$	-	\$	3,478,918		\$ 3,478,918	Third/Local Party	Residential				
PGE_Res_001b		Pay for Performance – Home Intel	\$		\$	667,404		\$ 667,404	Third/Local Party	Residential				
PGE_Res_001c		Pay for Performance – Home Energy Rewards	\$		\$	757,322		\$ 757,322	Third/Local Party	Residential				
PGE_Res_001d		Pay for Performance – Home Energy Optimization	\$		\$	2,690,921		\$ 2,690,921	Third/Local Party	Residential				
PGE_Res_003		Multifamily Energy Savings Program	\$		\$	4,168,929		\$ 4,168,929	Third/Local Party	Residential				
PGE_3P_Res		New Local 3P - Residential	\$	-	\$	12,282,950	\$ -	\$ 12,282,950	Third/Local Party	Residential				
Residential - Statewide	1						_							
PGE_SW_NC_Res		New Construction Residential	\$		\$	2,413,152		\$ 2,413,152	IOU Core/Statewide	Residential				
PGE_SW_PLA		Plug Load and Appliance	\$	-	\$	3,306,000		\$ 3,306,000	IOU Core/Statewide	Residential				
PGE_SW_NC_Res_PA		New Construction Residential PA Costs	\$		\$	501,957	•	\$ 501,957	IOU Core/Statewide	Residential				
PGE_SW_PLA_PA		Plug Load and Appliance - PGE Costs	\$	-	\$	163,126	\$ -	\$ 163,126	IOU Core/Statewide	Residential				
Commercial - Local	<u> </u>													
PGE21011		Commercial Calculated Incentives	\$	3,440,061	\$	6,598,323	\$ -	\$ 6,598,323	IOU Core/Statewide	Commercial				
		Savings by Design (SBD)	\$	15,183		1,300,904								
PGE211025					3	1.300.904	- S	\$ 1.300.904	IOU Core/Statewide	Commercial				
PGE211025 PGE21012				4.673.192				\$ 1,300,904 \$ 4.091,291	IOU Core/Statewide	Commercial Commercial				
PGE211025 PGE21012 PGE21014		Commercial Deemed Incentives	\$ \$	4,673,192 866,299	\$	4,091,291 1,355,344	\$ -	\$ 1,300,904 \$ 4,091,291 \$ 1,355,344	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide	Commercial Commercial Commercial				
PGE21012			\$		\$	4,091,291	\$ -	\$ 4,091,291	IOU Core/Statewide	Commercial				
PGE21012 PGE21014 PGE210143		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program	\$	866,299	\$	4,091,291 1,355,344 3,059,266	\$ - \$ - \$	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266	IOU Core/Statewide IOU Core/Statewide Third/Local Party	Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial	\$ \$ \$	866,299 4,903,608	\$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551	\$ - \$ - \$ - \$	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551	IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party	Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program	\$ \$ \$	866,299 4,903,608 -	\$	4,091,291 1,355,344 3,059,266	\$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266	IOU Core/Statewide IOU Core/Statewide Third/Local Party	Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning	\$ \$ \$ \$	866,299 4,903,608 -	\$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180	\$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180	IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party	Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning	\$ \$ \$ \$	866,299 4,903,608 -	\$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180	\$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180	IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party	Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs	\$ \$ \$ \$ \$	866,299 4,903,608 - - -	\$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411	\$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party	Commercial Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS	\$ \$ \$ \$ \$	866,299 4,903,608 - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033	IOU Core/Statewide IOU Core/Statewide Third/Local Party	Commercial Commercial Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_Up		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res)	\$ \$ \$ \$ \$	866,299 4,903,608 - - - -	\$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920	IOU Core/Statewide IOU Core/Statewide Third/Local Party	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream)	\$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 3,552,000	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_Up PGE_SW_MCWH PGE_SW_NC_NONRes		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential	\$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide	Commercial Residential Commercial Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 3,552,000	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide	Commercial				
PGE21012 PGE21014 PGE210143 PGE3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_UPU_PGE_SW_SP_SP_A		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 3,552,000 449,440	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 449,440	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Tour Core/Statewide IOU Core/Statewide	Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL PGE_SW_FS_PA PGE_SW_HVAC_UP,PA PGE_SW_HVAC_UP,PA PGE_SW_MCWH_PA		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs Upstream HVAC (Comm + Res) - PGE Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 3,552,000 449,440 335,021	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 449,440 \$ 335,021	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Residential Commercial Commercial Commercial Commercial Residential Residential				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_Up PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL PGE_SW_HS_PA PGE_SW_HVAC_Up_PA		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs Upstream HVAC (Comm + Res) - PGE Costs Midstream Comm Water Heating - PGE Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 449,440 335,021 664,561	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 449,440 \$ 335,021 \$ 664,561	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial Residential Commercial				
PGE21012 PGE21014 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_HVAC_Up PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_HVAC_Up_PA PGE_SW_HVAC_Up_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MC_NonRes_PA PGE_SW_NC_NonRes_PA PGE_SW_UL_PA		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs Upstream HVAC (Comm + Res) - PGE Costs Midstream Comm Water Heating - PGE Costs New Construction Non-Residential PA Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 449,440 335,021 664,561 283,802	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 449,440 \$ 335,021 \$ 664,561 \$ 283,802	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Residential Commercial				
PGE21012 PGE21014 PGE210143 PGE210143 PGE_3P_Com PGE_Com_001 PGE_Com_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL_PA PGE_SW_HVAC_UP_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MCWH_PA PGE_SW_MC_NORRES_PA PGE_SW_MC_NORRES_PA PGE_SW_MC_NORS_PA PGE_SW_UL_PA		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs Upstream HVAC (Comm + Res) - PGE Costs Midstream Comm Water Heating - PGE Costs Midstream Comm Water Heating - PGE Costs New Construction Non-Residential PA Costs Lighting (Upstream) - PGE Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 912,000 3,582,192 912,000 3,552,000 449,440 335,021 664,561 283,802 272,503	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 3,552,000 \$ 449,440 \$ 335,021 \$ 664,561 \$ 283,802 \$ 272,503	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide	Commercial				
PGE21012 PGE21014 PGE210143 PGE3P Com PGE_COm_001 PGE_COm_002 Commercial - Statewide PGE_SW_FS PGE_SW_HVAC_UP PGE_SW_MCWH PGE_SW_NC_NonRes PGE_SW_UL PGE_SW_FS_PA PGE_SW_HVAC_UP,PA PGE_SW_HVAC_UP,PA PGE_SW_MCWH_PA		Commercial Deemed Incentives Commercial Energy Advisor Hospitality Program New 3P Placeholder - Commercial Grocery Comprehensive Retrofit & Commissioning Smart Labs Food Service POS Upstream HVAC (Comm + Res) Midstream Comm Water Heating New Construction Non-Residential Lighting (Upstream) Food Service POS - PGE Costs Upstream HVAC (Comm + Res) - PGE Costs Midstream Comm Water Heating - PGE Costs New Construction Non-Residential PA Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	866,299 4,903,608 - - - - - - - - - - - - - - - - - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,091,291 1,355,344 3,059,266 19,351,551 921,180 731,411 4,149,033 4,715,920 3,882,192 912,000 449,440 335,021 664,561 283,802	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ 4,091,291 \$ 1,355,344 \$ 3,059,266 \$ 19,351,551 \$ 921,180 \$ 731,411 \$ 4,149,033 \$ 4,715,920 \$ 3,882,192 \$ 912,000 \$ 3,552,000 \$ 449,440 \$ 335,021 \$ 664,561 \$ 283,802	IOU Core/Statewide IOU Core/Statewide IOU Core/Statewide Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party Third/Local Party IOU Core/Statewide	Commercial Commercial Commercial Commercial Commercial Commercial Commercial Residential Commercial				

PA Name: Pacific Gas and Electric Company

Table 4 - Budget, Spent, Unspent, Carryover Details [1]

New/Existing Program #	Discontinued Program #	Program # Main Program Name / Sub-Program Name		Main Program Name / Sub-Program Name		Main Program Name / Sub-Program Name				020 Budget pent as of 17/31/2020 [2]	202	1 Proposed Budget	(Expected 2020 Unspent/ Uncommitted and Any Remaining Pre- 2020 Unspent/ Uncommitted Funding)		021 Funds Requested	Program Type	New Business Sector
PGE21034		Agricultural Energy Advisor	\$	537,781	\$	278,369	\$ -	\$	278,369	IOU Core/Statewide	Agricultural						
PGE21036		Industrial Refrigeration Performance Plus	\$	261	\$	25,073		\$	25,073	Third/Local Party	Cross-Cutting						
Industrial - Local																	
industriai - Locai	PGE21023	Industrial Continuous Energy Improvement [3]	\$	(0)	\$	_	\$ -	\$		IOU Core/Statewide	Industrial						
·	PGE21030	Industrial Strategic Energy Management [3]	\$	734,094			\$ -	\$		Third/Local Party	Industrial						
PGE21021	1 0221000	Industrial Calculated Incentives	\$	194,563		6,980,753		\$	6,980,753	IOU Core/Statewide	Industrial						
PGE21022		Industrial Deemed Incentives	\$	176,797		238,153		\$	238,153	IOU Core/Statewide	Industrial						
PGE21024		Industrial Energy Advisor	\$	186,302	\$	286,526		\$	286,526	IOU Core/Statewide	Industrial						
PGE210210	i i	Industrial Recommissioning Program	\$	404,379	\$	1,505,303		\$	1,505,303	Third/Local Party	Industrial						
PGE210212		Compressed Air and Vacuum Optimization Program	\$	138,085		795,251		\$	795,251	Third/Local Party	Industrial						
PGE21027		Heavy Industry Energy Efficiency Program	\$	3,420,945	\$	2,762,997	\$ -	\$	2,762,997	Third/Local Party	Industrial						
PGE_Ind_001a		Industrial Strategic Energy Management - Food Processing	\$		\$	2,593,563	\$ -	\$	2,593,563	Third/Local Party	Industrial						
PGE_Ind_001b		Industrial Strategic Energy Management - Manufacturing	\$	-	\$	3,124,098	\$ -	\$	3,124,098	Third/Local Party	Industrial						
PGE_Ind_002		Business Energy Performance Program	\$	-	\$	5,934,442		\$	5,934,442	Third/Local Party	Industrial						
PGE_Ind_003		Industrial Systems Optimization Program	\$	-	\$	4,720,291	\$ -	\$	4,720,291	Third/Local Party	Industrial						
Public - Local																	
PGE_Pub_009		Government & K-12 Comprehensive Program	\$	-	\$	3,224,434		\$	3,224,434	Third/Local Party	Public						
PGE_Pub_010		RAPIDS Wastewater Treatment Optimization Program	\$	-	\$	629,350	*	\$	629,350	Third/Local Party	Public						
PGE2110011		California Community Colleges	\$	359,447		1,234,186		\$	1,234,186	State Institutional Partnership	Public						
PGE2110012		University of California/California State University	\$	(1,800,458)		1,883,522		\$	1,883,522	State Institutional Partnership	Public						
PGE2110013		State of California	\$	37,338		624,642		\$	624,642	State Institutional Partnership	Public						
PGE2110014		Department of Corrections and Rehabilitation	\$	(250,436)	_	807,589		\$	807,589	State Institutional Partnership	Public						
PGE2110051		Local Government Energy Action Resources (LGEAR)	\$	7,476,630	\$	3,075,395	\$ -	\$	3,075,395	Local Government Partnership	Public						
Public - Statewide																	
PGE_SW_IP_Gov		Institutional Partnerships: DGS & DoC	\$	-	\$	190,000		\$	190,000	State Institutional Partnership	Public						
PGE_SW_IP_Gov_PA		Institutional Partnerships: DGS & DoC - PGE Costs	\$	-	\$	66,545	-	\$	66,545	State Institutional Partnership	Public						
Public LGP - Local																	
PGE_Pub_001		Central Coast Leaders in Energy Action Program	\$	18,179		346,341		\$		Local Government Partnership	Public						
PGE_Pub_002		Marin Energy Watch Partnership	\$	16,119		277,907		\$	277,907	Local Government Partnership	Public						
PGE_Pub_003		Redwood Coast Energy Watch	\$	19,446		374,846		\$		Local Government Partnership	Public						
PGE_Pub_004		Central California Energy Watch	\$	54,781		800,802		\$	800,802	Local Government Partnership	Public						
PGE_Pub_005 PGE_Pub_006		San Mateo County Energy Watch Program	\$	28,554		448,606		\$	448,606	Local Government Partnership	Public						
PGE_Pub_006 PGE Pub 007		Energy Access SF Sierra Nevada Energy Watch	\$	39,676 52,376		1,004,578 746,897		\$	1,004,578 746,897	Local Government Partnership Local Government Partnership	Public Public						
PGE_Pub_008		Sonoma Public Energy	\$	18,948		396,496		\$	396,496	Local Government Partnership	Public						
Financing - Local			1		E			╁									
PGE21092		Third-Party Financing [5]	\$	(361)		-	\$ -	\$	-	IOU Core/Statewide	Cross-Cutting						
PGE21093		New Financing Offerings [6]	\$	-	\$	-	\$ -	\$	-	IOU Core/Statewide	Cross-Cutting						
PGE21091		On-Bill Financing (excludes Loan Pool)	\$	1 1	\$	1,168,076		\$	1,168,076	IOU Core/Statewide	Cross-Cutting						
PGE210911		On-Bill Financing Alternative Pathway	\$	262,641	\$	4,030,576	\$ -	\$	4,030,576	IOU Core/Statewide	Cross-Cutting						
Financing Loan Pool - Loc																	
PGE21091LP		Financing Loan Pool Addition	\$	14,648,574	\$	17,000,000	\$ -	\$	17,000,000	Non-Program	Cross-Cutting						

PA Name: Pacific Gas and Electric Company

Table 4 - Budget, Spent, Unspent, Carryover Details [1]

New/Existing Program #	Discontinued Program #	Main Program Name / Sub-Program Name	S	020 Budget Spent as of 07/31/2020 [2]	202	21 Proposed Budget	2021 Budget Offset (Expected 2020 Unspent/ Uncommitted and Any Remaining Pre- 2020 Unspent/ Uncommitted Funding)		2021 Funds Requested	Program Type	New Business Sector
Codes & Standards - Loca	il										
PGE21053		Compliance Improvement	\$	3,485,412	\$	5,524,990	\$ -	\$	5,524,990	IOU Core/Statewide	Cross-Cutting
PGE21054		Reach Codes	\$	697,973	\$	2,043,666		\$	2,043,666	IOU Core/Statewide	Cross-Cutting
PGE21055		Planning and Coordination	\$	917,271		740,393		\$	740,393	IOU Core/Statewide	Cross-Cutting
PGE21056		Code Readiness	\$	2,517,553	\$	6,950,898	\$ -	\$	6,950,898	IOU Core/Statewide	Cross-Cutting
Codes & Standards - State	wide							-			
PGE SW CSA App		State Appliance Standards Advocacy	\$	779,860	\$	1,693,770	\$ -	\$	1,693,770	IOU Core/Statewide	Cross-Cutting
PGE_SW_CSA_App		State Building Codes Advocacy	\$	4,980,348		2,735,280		\$	2,735,280	IOU Core/Statewide	Cross-Cutting
PGE_SW_CSA_Bidg PGE_SW_CSA_Natl		National Codes & Standards Advocacy	\$	1,821,722		1,569,630		\$	1,569,630	IOU Core/Statewide	Cross-Cutting Cross-Cutting
PGE_SW_CSA_App_PA		State Appliance Standards Advocacy PA Costs	\$	993,507		1,869,301		\$	1,869,301	IOU Core/Statewide	Cross-Cutting
PGE_SW_CSA_Bldg_PA		State Building Codes Advocacy PA Costs	\$	576,715		1,501,253		\$	1,501,253	IOU Core/Statewide	Cross-Cutting
PGE_SW_CSA_Natl_PA		National Codes & Standards Advocacy PA Costs	\$	103,581		624,637		\$	624,637	IOU Core/Statewide	Cross-Cutting
		,	Ė		Ė		•	Ľ	, , , , , , , , , , , , , , , , , , , ,		
Emerging Technology - Lo	neal .							-			
PGE21062	Cai	Technology Assessments	\$	720,193	\$	1,460,138	\$ -	\$	1,460,138	IOU Core/Statewide	Cross-Cutting
PGE21063		Technology Introduction Support	\$	(16,112)		3,322,253		\$	3,322,253	IOU Core/Statewide	Cross-Cutting
1 0221000		roomiciogy mirodaction capport	Ť	(10,112)	_	0,022,200	•	Ť	0,022,200	100 coro, ciatomas	Cross Calling
Emerging Technology - St	atewide										
PGE_SW_ETP_Gas		Emerging Technologies Program, Gas	\$	-	\$	1,512,000	\$	\$	1,512,000	IOU Core/Statewide	Cross-Cutting
PGE_SW_ETP_Gas_PA		Emerging Technologies Program, Gas - PGE Costs	\$	-	\$	25,675	\$ -	\$	25,675	IOU Core/Statewide	Cross-Cutting
Workforce Ed. & Traing - L											
PGE21071		Integrated Energy Education and Training	\$	3,580,830	¢	7,248,382	œ.	\$	7,248,382	IOU Core/Statewide	Cross-Cutting
PGE21071 PGE21072		Connections	\$	544,210		619,213		\$	619,213	IOU Core/Statewide	Cross-Cutting Cross-Cutting
FGLZ1072		Connections	φ	344,210	φ	019,213	· -	φ	019,213	100 Core/Statewide	Cross-Cutting
Workforce Ed. & Traing - S	Statewide										
PGE_SW_WET_CC		SW WET Career Connections	\$	-	\$	266,000	\$ -	\$	266,000	IOU Core/Statewide	Cross-Cutting
PGE_SW_WET_Work		WE&T Career and Workforce Readiness	\$	-	\$	561,943	\$ -	\$	561,943	IOU Core/Statewide	Cross-Cutting
PGE_SW_WET_CC_PA		SW WET Career Connections – PGE Costs	\$	-	\$	106,802	\$ -	\$	106,802	IOU Core/Statewide	Cross-Cutting
PGE_SW_WET_Work_PA		WE&T Career and Workforce Readiness - PGE Costs	\$	-	\$	140,704	\$ -	\$	140,704	IOU Core/Statewide	Cross-Cutting
Programs Discontinued in	2021 with 2020 St	nendina									
		rg						t			
	PGE21008	Enhance Time Delay Relay	\$	1,103,160	\$	-	\$ -	\$	-	Third/Local Party	Residential
	PGE210011	Residential Energy Fitness Program	\$	(1,658,445)		-	\$ -	\$	-	Third/Local Party	Residential
	PGE21003	Multifamily Energy Efficiency	\$	536,362		-	\$ -	\$	-	IOU Core/Statewide	Residential
	PGE21009	Direct Install for Manufactured and Mobile Homes	\$	1,407,252	\$	-	\$ -	\$	-	Third/Local Party	Residential
	PGE210112	School Energy Efficiency	\$	375,118	\$	-	\$ -	\$	-	Third/Local Party	Commercial
	PGE210123	Healthcare Energy Efficiency Program	\$	132,339		-	\$ -	\$	-	Third/Local Party	Commercial
	PGE210135	Water Infrastructure and System Efficiency	\$	542,679		-	\$ -	\$	-	Third/Local Party	Industrial
	PGE21015	Commercial HVAC	\$	3,670,302		-	\$ -	\$	-	IOU Core/Statewide	Commercial
	PGE21018	EnergySmart Grocer	\$	2,098,867		-	\$ -	\$	-	Third/Local Party	Commercial
	PGE21026	Energy Efficiency Services for Oil Production	\$	308,425		-	\$	\$	-	Third/Local Party	Industrial
	PGE210311	Process Wastewater Treatment EM Pgm for Ag Food Processing	\$	33,998		-	\$ -	\$	-	Third/Local Party	Agricultural
	PGE210312		\$	561,639		-	\$ -	\$	-	Third/Local Party	Agricultural
	PGE21039	Comprehensive Food Process Audit & Resource Efficiency Pgm	\$	287,687		-	\$ -	\$	-	Third/Local Party	Agricultural
	PGE2110052	Strategic Energy Resources	\$	3,677,383		-	\$ - \$ -	\$	-	Local Government Partnership	Public
	PGE21061	Technology Development Support	\$	56,813			Ψ	\$		IOU Core/Statewide	Cross-Cutting
	PGE21076	Career and Workforce Readiness	\$	-	\$	-	\$ -	\$	-	IOU Core/Statewide	Cross-Cutting

PA Name: Pacific Gas and Electric Company

Table 4 - Budget, Spent, Unspent, Carryover Details [1]

New/Existing Program #	Discontinued Program #	Main Program Name / Sub-Program Name	5	2020 Budget Spent as of 07/31/2020 [2]	20	21 Proposed Budget	ι	021 Budget Offset (Expected 2020 Unspent/ Jncommitted and ny Remaining Pre- 2020 Unspent/ Uncommitted Funding)		021 Funds Requested	Program Type	New Business Sector
	PGE21041	Primary Lighting	\$	136,275	\$	-	\$	-	\$	-	IOU Core/Statewide	Residential
	PGE21042	Lighting Innovation	\$	3,857	\$	-	\$	-	\$	-	IOU Core/Statewide	Cross-Cutting
	PGE21051	Building Codes Advocacy [7]	\$	(503,023)	\$	-	\$	-	\$	-	IOU Core/Statewide	Cross-Cutting
	PGE21052	Appliance Standards Advocacy [7]	\$	68,175	\$	-	\$	-	\$	-	IOU Core/Statewide	Cross-Cutting
	PGE21057	National Codes & Standards Advocacy [7]	\$	4,590		-	\$		\$	-	IOU Core/Statewide	Cross-Cutting
	PGE21073	Strategic Planning [8]	\$	(4,034)	\$	-	\$	-	\$	-	IOU Core/Statewide	Cross-Cutting
		PA PROGRAM TOTAL	\$	98,559,792	\$	228,215,304	\$	-	\$:	228,215,304		
		EM&V (PA & CPUC Portions) Total										
EM&V CPUC		PG&E EM&V - CPUC	\$	2,030,129	\$	6,619,004	\$	-	\$	6,619,004	IOU Core/Statewide	Cross-Cutting
EM&V PG&E		PG&E EM&V - PG&E	\$	1,114,028	\$	2,889,967	\$	-	\$	2,889,967	IOU Core/Statewide	Cross-Cutting
		PA TOTAL with EM&V	\$	101,703,948	\$	237,724,275	\$	-	\$ 2	237,724,275		
		Estimated Funds to be Returned in 2021 Rates					\$	10,000,000	\$	(10,000,000)		
	,	TOTAL PA EE PORTFOLIO	\$	101,703,948	\$	237,724,275	\$	10,000,000	\$ 2	227,724,275		

		ME&O & ESA					
PGE_SWMEO	PGE_SWMEO	Statewide Marketing, Education & Outreach (EE portion only) [9]	\$ 4,733,981	\$ 6,859,212		IOU Core/Statewide	Cross-Cutting
PGE_ESA	PGE_ESA	Energy Savings Assistance Program [10]	\$ 71,405,519	\$ 123,400,000		IOU Core/Statewide	Residential

^[1] Details of PG&E's program changes for its 2021 portfolio can be found in Section III.G. of the advice letter.

^[2] PG&E's 2020 EE budget was approved on December 24, 2019 in Advice Letter 4136-G/5627-E and supplement.

^[3] The Program IDs for Residential Energy Advisor (PGE21001), Pay for Performance Pilot (PGE210010), and Industrial Strategic Energy Management (PGE21030) are being discontinued in CEDARS in 2021, however program activities from these two programs will continue in 2021 under multiple new Program IDs. Program activities from Residential Energy Advisor (PGE21001) will continue under PGE_Res_002a. PGE_Res_002a. Program activities from Residential Energy Advisor (PGE210010) will continue under PGE_Res_001a. PGE_Res_00

^[5] Third-party financing will be closed upon completion of commitments in 2021 or 2022. This program is forecasted with \$0 budget because no 2021 spend is expected, however a contract is still in place for management of the remaining third-party

^[6] New Finance Offerings program is exicuded from the EE ABAL budget as funding for this program was approved via D.13-09-044. See advice letter p.5.

^[7] Minimal expenditures are reported for Q1 2020 for these programs as a result of the transition to new statewide Codes and Standards Advocacy programs. See Section III.G. of the advice letter for more details.

^[8] Strategic planning was sunset in PG&E's 2019 ABAL (Advice 4011-G/5376-E). Residual portfolio overhead payments are shown in Q1 2020 expenditures.

^[9] Statewide ME&O budgets for 2017 through September 2019 were approved in Advice Letter 3783-G/4963-E on January 23, 2017, effective November 28, 2016. Budgets for October 2019 through 2021 were approved in Advice Letter 4098-G/5544-[10] ESA budget reflects the authorized funding per year in D.16-11-022 and approved midcycle request as per approval from AL 3990-G/5329-E and supplements, on January 4, 2019

PA Name: Pacific Gas and Electric Company

Table 5 - Total 2021 Requested and 2017-2020 Revenue Collected (\$000)

Category (2017-20 Authorized [1] and 2021 Request)	Res Fun	nand ponse ds	Effic Fund		Pub Pur Fun	pose ids	Effi Fun	
2017 Program Funds - Utility	\$	3,264	\$	327,271	\$	62,337	\$	389,609
2017 Program Funds - REN			\$	13,891	\$	2,646	\$	16,537
2017 Program Funds - CCA 2017 EM&V			\$	1,333	\$	254	\$	1,586
2017 EM&V 2017 Annualized Total	\$	3,264	\$	14,271 356,766	\$	2,718 67,955	\$	16,989 424,721
	\$		\$	307,407	\$	58,554	\$	365,961
2018 Program Funds - Utility 2018 Program Funds - BayREN	Э	3,264	\$	18,787	\$	3,578	\$	22,365
2018 Program Funds - Bayken 2018 Program Funds - MCE	-		\$	6,891	\$	1,313	\$	8,204
2018 EM&V	<u> </u>		\$	13,879	\$	2,644	\$	16,522
2018 Annualized Total	\$	3,264	\$	346,964	\$	66,088	\$	413,052
2019 Program Funds - Utility	\$	7,771	\$	233,116	\$	73,615	\$	306,731
2019 Program Funds - BayREN (including EM&V)			\$	18,266	\$	5,768	\$	24,034
2019 Program Funds - MCE (including EM&V)			\$	5,279	\$	1,667	\$	6,946
2019 Program Funds - 3C-REN (including EM&V)			\$	2,153	\$	680	\$	2,833
2019 EM&V (IOU only)			\$	9,713	\$	3,067	\$	12,780
2019 Annualized Total	\$	7,771	\$	268,527	\$	84,798	\$	353,325
2020 Program Funds - Utility	\$	7,771	\$	159,760	\$	68,469	\$	228,229
2020 Program Funds - BayREN (including EM&V)			\$	16,612	\$	7,119	\$	23,731
2020 Program Funds - MCE (including EM&V)			\$	4,958	\$	2,125	\$	7,083
2020 Program Funds - 3C-REN (including EM&V)			\$	2,082	\$	892	\$	2,975
2020 EM&V (IOU only)			\$	6,657	\$	2,853	\$	9,510
2020 Annualized Total	\$	7,771	\$	190,069	\$	81,458	\$	271,527
2021 Requested Program Funds - Utility [2]	\$	8,000	\$	189,568	\$	38,647	\$	228,215
2021 Requested Program Funds - BayREN (incl. EM&V)			\$	20,674	\$	4,234	\$	24,908
2021 Requested Program Funds - MCE (incl. EM&V)			\$	6,508	\$	1,333	\$	7,841
2021 Requested Program Funds - 3C-REN (incl. EM&V)			\$	3,390	\$	694	\$	4,084
2021 Requested EM&V (IOU only) [2]			\$	7,892	\$	1,617	\$	9,509
2021 Total Portfolio Request	\$	8,000	\$	228,032	\$	46,526	\$	274,557

^[1] The authorized budget excludes reductions from past unspent funds and carryover and is consistent with funding approved in D. 09-09-047, D. 12-11-015, D.14-10-046 and D.15-10-028.

^[2] The electric and gas split for program year 2021 is forecasted to be 83%/17%, applicable to the portion of PG&E's EE portfolio budget that will not be supporting fuel substitution program activities (including EM&V). The portfolio budget that is forecasted to support fuel-substitution activities will be recovered 100% through electric rates only. See advice letter Section III.J.1., Table 15 for more details on the fuel-substitution budget.

PA Name: Pacific Gas and Electric Company

Table 6 - Committed Energy Efficiency Program Funding - Funds Not Yet Spent as of 7/31/2020

Accrued funds not yet spent (\$000). Category	Electric Procurement Funds	Natural Gas Public Purpose Funds	Total
2013-2015 to date EM&V Funds	\$2,598		\$3,169
2013-2015 to date Program Funds - Utility [1]	(\$189)	(\$42)	(\$231)
2013-2015 to date Program Funds - BayREN	\$3,084	×1 /	\$3,761
2013-2015 to date Program Funds - MCE	\$30	\$7	\$36
2016 to date EM&V Funds	\$12,852	\$2,821	\$15,673
2016 to date Program Funds - Utility [1]	\$0	\$0	\$0
2016 to date Program Funds - BayREN	\$0	\$0	\$0
2016 to date Program Funds - MCE	\$86	\$19	\$105
2017 to date EM&V Funds	\$12,162	\$2,317	\$14,479
2017 to date Program Funds - Utility [1]	\$139	\$26	\$165
2017 to date Program Funds - BayREN	\$36	\$7	\$43
2017 to date Program Funds - MCE	\$0	\$0	\$0
2018 to date EM&V Funds	\$9,661	\$1,840	\$11,501
2018 to date Program Funds - Utility [1]	\$185	\$35	\$221
2018 to date Program Funds - BayREN	\$4,384	\$835	\$5,219
2018 to date Program Funds - MCE	\$188	\$36	\$224
2019 to date EM&V Funds	\$0	\$0	\$0
2019 to date Program Funds - Utility [1]	\$380	\$120	\$500
2019 to date Program Funds - BayREN	\$2,272	\$718	\$2,990
2019 to date Program Funds - MCE	(\$43)	(\$14)	(\$57)
2019 to date Program Funds - 3C REN	\$1,840	\$581	\$2,420
2020 to date EM&V Funds	\$4,456	· · · · · · · · · · · · · · · · · · ·	\$6,365
2020 to date Program Funds - Utility [1]	\$350	· · ·	\$500
2020 to date Program Funds - REN	\$4,387	\$1,880	\$6,267
2020 to date Program Funds - CCA	\$3,759	\$1,611	\$5,371
2020 to date Program Funds - 3C REN	\$1,445	\$619	\$2,064

^[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.

PA Name: Pacific Gas and Electric Company

Table 7 - 2020 Authorized and Spent/Unspent Detail (Spend as of July 31, 2020)

Authorized, spent and unspent program funds (Excludes IOU EM&V and OBF Loans) (\$000)	Pro	Electric ocurement	 itural Gas lic Purpose	
Category		Funds	Funds	Total
2020 Annualized Authorized Program Budget	\$	174,667	\$ 73,851	\$ 248,518
2020 Actual Spent [1]	\$	75,052	\$ 30,843	\$ 105,895
2020 Unspent before deducting committed funds	\$	99,615	\$ 43,008	\$ 142,623
2020 Committed funds [2]	\$	9,941	\$ 4,261	\$ 14,202
2020 Unspent as of July 31, 2020 [3]	\$	89,674	\$ 38,747	\$ 128,421
2020 Unspent/uncommitted - estimated available for				
2021 [4]	\$	16,852	\$ 7,222	\$ 24,075

^[1] Actual spent means funds expensed, including accruals and payments made on previous year commitments as of July 31, 2020.

^{[2] 2020} Committed funds as of July 31, 2020. Represents unspent and committed Financing Pilots, BayREN, MCE, and 3C REN funds.

^[3] Excludes \$533,000 of interest accrued in the balancing account through July 31, 2020 (\$423,000 electric; \$110,000 gas).

^[4] Funds to be amortized in 2021 rates. Includes estimated unspent & uncommitted from PG&E of \$10,000,000 and carryover funds from Non-IOU entities of \$14,075,000. Carryover for BayREN, 3C-REN, and MCE were taken from their respective 2021 ABAL presentations to CAEECC on August 5, 2020. Carryover from these presentations is assumed to include carryover from both 2019 and 2020, but the carryover estimates were not broken out by year. PG&E assumed the 2020 electric/gas split of 70%/30% for all carryover in the absence of more precise information. Final 2021 cost recovery amounts, including carryover broken out by program year and corresponding electric/gas split, will be filed by PG&E in a Tier 1 advice letter following the issuance of 2021 ABAL dispositions for PG&E, BayREN, 3C-REN, and MCE.

(Col E)*(IOU 'Electric Proportional Share' from INPUT TABLE) +
[(1-Col E)*(IOU 'Gas Proportional Share' from INPUT TABLE)]

		Col A	Col B	Col C	Col D	Col E	Col F	Col G	Col H	Coll	Col A * Col F	Col A * Col G	Col A * Col H	Col A * Col I	Col B * Col F	Col B * Col G	Col B * Col H	Col B * Col I	Col C * Col F	Col C * Col G	Col C * Col H	Col C * Col I
		2021 Program	2022 Program	Maximum Annual	Expected or Actual Launch				tional Contribution ding may be within +/-		:	2021 Progam Fo	ecast by IOU**			2022 Progam Bu	dget by IOU**		Max	mum Annual Bu	dget After Laund	ch
Statewide Program*	Lead IOU	Budget (Total for all contributing IOUs)**	Budget (Total for all contributing IOUs)**	Program Budget (Total for all contributing IOUs)****	Date (MM/YYYY)***	Percent Electric	PG&E	SDG&E	SCE	scg	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		\$ 1,232,332	\$2,112,569	\$ 2,112,569	Jul-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 561,943	\$ 172,034	\$ 395,332	\$ 103,023	\$ 963,331	\$ 294,915	\$ 677,712	\$ 176,611	\$ 963,331	\$ 294,915	\$ 677,712	\$ 176,611
Res New Construction		\$ 5,292,000	\$8,862,000	\$ 12,000,000	Jun-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 2,413,152	\$ 738,763	\$ 1,697,674	\$ 442,411	\$ 4,041,072	\$ 1,237,135	\$ 2,842,930	\$ 740,863	\$ 5,472,000	\$ 1,675,200	\$ 3,849,600	\$ 1,003,200
NonRes New Construction	PG&E	\$ 2,000,000	\$14,000,000	\$ 20,000,000	Jun-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 912,000	\$ 279,200	\$ 641,600	\$ 167,200	\$ 6,384,000	\$ 1,954,400	\$ 4,491,200	\$ 1,170,400	\$ 9,120,000	\$ 2,792,000	\$ 6,416,000	\$ 1,672,000
Codes and Standards Advocacy	PURE	\$ 13,155,000	\$13,155,000	\$ 13,155,000	Feb-2020	80%	45.60%	13.96%	32.08%	8.36%	\$ 5,998,680	\$ 1,836,438	\$ 4,220,124	\$ 1,099,758	\$ 5,998,680	\$ 1,836,438	\$ 4,220,124	\$ 1,099,758	\$ 5,998,680	\$ 1,836,438	\$ 4,220,124	\$ 1,099,758
Institutional Partnerships, DGS & Dept of Corrections		\$ 416,667	\$2,500,000	\$ 5,000,000	Aug-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 190,000	\$ 58,167	\$ 133,667	\$ 34,833	\$ 1,140,000	\$ 349,000	\$ 802,000	\$ 209,000	\$ 2,280,000	\$ 698,000	\$ 1,604,000	\$ 418,000
WE&T Career Connections		\$ 583,333	\$1,000,000	\$ 1,000,000	Jul-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 266,000	\$ 81,433	\$ 187,133	\$ 48,767	\$ 456,000	\$ 139,600	\$ 320,800	\$ 83,600	\$ 456,000	\$ 139,600	\$ 320,800	\$ 83,600
Water/wastewater pumping		\$ -	\$1,846,970	\$ 5,300,000	Sep-2022	80%	45.60%	13.96%	32.08%	8.36%	\$ -	\$ -	\$ -	\$ -	\$ 842,218	\$ 257,837	\$ 592,508	\$ 154,407	\$ 2,416,800	\$ 739,880	\$ 1,700,240	\$ 443,080
Lighting (Upstream)	SCE	\$ 8,000,000	\$12,000,000	\$ 12,000,000	May-2021	100%	44.40%	15.50%	40.10%	0.00%	\$ 3,552,000	\$ 1,240,000	\$ 3,208,000	\$ -	\$ 5,328,000	\$ 1,860,000	\$ 4,812,000	\$ -	\$ 5,328,000	\$ 1,860,000	\$ 4,812,000	\$ -
ETP, electric	3CL	\$ -	\$14,032,875	\$ 17,897,000	Apr-2022	100%	44.40%	15.50%	40.10%	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 6,230,597	\$ 2,175,096	\$ 5,627,183	\$ -	\$ 7,946,268	\$ 2,774,035	\$ 7,176,697	\$ -
Institutional Partnerships, UC/CSU/CCC		\$ -	\$1,393,939	\$ 4,000,000	Sep-2022	80%	45.60%	13.96%	32.08%	8.36%	\$ -	\$ -	\$ -	\$ -	\$ 635,636	\$ 194,594	\$ 447,176	\$ 116,533	\$ 1,824,000	\$ 558,400	\$ 1,283,200	\$ 334,400
ETP, gas *****		\$3,000,000	\$3,000,000		Jul-2021	0%	50.40%	7.80%	0.00%	41.80%	\$ 1,512,000	\$ 234,000	\$ -	\$ 1,254,000	\$ 1,512,000	\$ 234,000	\$ -	\$ 1,254,000	\$ 1,512,000	\$ 234,000	\$ -	\$ 1,254,000
Food Service POS	SCG	\$8,836,824	\$10,877,696	\$ 12,227,068	Apr-2021	40%	48.00%	10.88%	16.04%	25.08%	\$ 4,241,676	\$ 961,446	\$ 1,417,427	\$ 2,216,275	\$ 5,221,294	\$ 1,183,493	\$ 1,744,782	\$ 2,728,126	\$ 5,868,993	\$ 1,330,305	\$ 1,961,222	\$ 3,066,549
Midstream Comm Water Heating		\$8,087,900	\$9,640,241	\$ 11,192,583	Apr-2021	40%	48.00%	10.88%	16.04%	25.08%	\$ 3,882,192	\$ 879,964	\$ 1,297,299	\$ 2,028,445	\$ 4,627,316	\$ 1,048,858	\$ 1,546,295	\$ 2,417,772	\$ 5,372,440	\$ 1,217,753	\$ 1,795,290	\$ 2,807,100
Res HVAC QI/QM		\$ -	\$0	\$ 6,900,000	Apr-2023	80%	45.60%	13.96%	32.08%	8.36%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,146,400	\$ 963,240	\$ 2,213,520	\$ 576,840
Plug Load and Appliance	SDG&E	\$ 7,250,000	\$29,356,559	\$29,356,559	Sep-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 3,306,000	\$ 1,012,100	\$ 2,325,800	\$ 606,100	\$ 13,386,591	\$ 4,098,176	\$ 9,417,584	\$ 2,454,208	\$ 13,386,591	\$ 4,098,176	\$ 9,417,584	\$ 2,454,208
Upstream HVAC (Comm + Res)		\$ 10,341,930	\$12,652,339	\$ 12,652,339	Jan-2021	80%	45.60%	13.96%	32.08%	8.36%	\$ 4,715,920	\$ 1,443,733	\$ 3,317,691	\$ 864,585	\$ 5,769,467	\$ 1,766,267	\$ 4,058,870	\$ 1,057,736	\$ 5,769,467	\$ 1,766,267	\$ 4,058,870	\$ 1,057,736
Total		\$ 68,195,986	\$ 136,430,188	\$ 167,793,118							\$ 31,551,563	\$ 8,937,278	\$ 18,841,747	\$ 8,865,398	\$ 62,536,202	\$ 18,629,808	\$ 41,601,164	\$ 13,663,014	\$ 76,860,970	\$ 22,978,208	\$ 51,506,860	\$ 16,447,081

*The numbers in this table are accurate as of August 14, 2020, and are reflected in all of PG&E's 2021 ABAL materials, including its advice letter and CEDARS filing submission. Any changes made by a SW lead after August 14, 2020 are not reflected in this table.

***Launch date assumes that the signed contracts filed via AL are approved by ED in 90-days, where applicable.

****Maximum annual program budget subject to change with consensus across IOUs

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 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.

			Electric	Gas
	Percent PPP		Proportional	Proportion
IOU	Electric	Percent PPP Gas	Share	al 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%

^{**}The budget is proportional to the anticipated launch date of the program.

	2021 Energy Efficie	ncy Caps And Target I	Expenditure Pro	jections			
		E	Expenditures		Cap &	Target Perfor	mance
Line	Budget 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 (including SW)	Total Portfolio	Percent of Budget	Cap %	Target %
1	Administrative Costs	\$19,147,169	\$6,352,591	\$25,499,760			
2	IOU ¹	\$14,284,835	\$0	\$14,284,835	5.8%	10.0%	
3	Third Party & Partnership ²	\$1,469,291	\$5,958,779	\$7,428,070			10.0%
4	Target Exempt Programs ³	\$3,393,043	\$393,812	\$3,786,855			
5	Marketing and Outreach Costs ⁴	\$13,906,135	\$3,901,936	\$17,808,071			
6	Marketing & Outreach	\$7,046,923	\$3,901,936	\$10,948,859	4.5%		6.0%
7	Statewide Marketing & Outreach ⁵	\$6,859,212	\$0	\$6,859,212			
8	Direct Implementation Costs	\$105,528,691	\$86,237,995	\$191,766,686			
9	Direct Implementation (Incentives and Rebates)	\$42,370,572	\$29,057,177	\$71,427,749			
10	Direct Implementation (Non-Incentives and Non-Rebates)	\$36,855,064	\$52,079,626	\$88,934,690	36.4%		20.0%
11	Direct Implementation Target Exempt Programs ³	\$26,303,055	\$5,101,192	\$31,404,247			
12	EM&V Costs (Investor Owned Utilities & Energy Division) ^{6,7}	\$9,508,971	\$0	\$9,508,971	4.0%	4.0%	
13	Total ⁸	\$148,090,966	\$96,492,522	\$244,583,487			
14	2021 Proposed Budget ⁹	\$141,231,754	\$96,492,522	\$237,724,275			
15	Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) 10	\$0	\$96,492,522	\$96,492,522			

PG&E 2021 EE ABAL Attachment 4

Table 10: Caps and Targets

Table 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, Third-Party Public LGPs, and Codes & Standards programs (excluding Building Codes Advocacy, Appliance Standards Advocacy and National Standards Advocacy).
- 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. The 2019-2021 Statewide ME&O budget is authorized in D.19-01-005. The amount in Line 7 represents the portion allocated to EE.
- 6. EM&V costs include only PG&E's IOU EM&V budget.
- 7. The EM&V percentage is based on PG&E's total programs budget of \$237,724,275, which excludes SWME&O, BayREN, MCE and 3C-REN. This is the Total in line 13, minus SWME&O in line 7.
- 8. As directed in the Energy Efficiency Policy Manual Version 6 April 2020, Appendix C, this total includes SW ME&O and excludes BayREN, MCE, and 3C-REN budgets and is the denominator used to calculate the Admin, Marketing, and Direct Implementation Non-Incentives percentages.
- 9. PG&E's 2021 Proposed Budget of \$237,724,275 excludes SWME&O budget of \$6,859,212 and excludes BayREN, MCE and 3C-REN budgets of \$24,907,863, \$7,840,956 and \$4,084,315 respectively.
- 10. PG&E'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. This 2021 forecasted total is not used to calculate the third-party outsourcing compliance targets. Rather, outsourcing compliance targets are calculated using annualized total contract amounts for each qualifying third-party contract.

Attachment -	l, Table 19
PA Name: Pa	wific Gas and Electric

PA Name: Budget Yes	t 4, Table 19 Pacific Gas and l or: 2021	Electric							Baseline			A	ctual			Short Term Target					
index	PA AZAF	age Order Co	de Measureme	t Metric Type	Metric/ Indicator Business Plan Att A. Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2019	2020	Constitive	Long Term Target (2020-2020) Cumulative	Methodology Calculated using CIT, and reported by sector consistent with primary sector grouping in COSM-6 And CASM-6 sector consistent cells and Southerds. Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on these are not Good equivalents. New Good Section COSM-6 on NOT and PRAID on the Se	Proxy Explanation FLAG
0	AG	a PLI 0	G MTC02eq	NEW: Energy Savings	Metric Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an ann basis	co2-equivalent of net annual kWh savings	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	563,033	569,554	137,822	127,572	433,280	475,653	474,409	508,341	520,442		
1	PGBS AO	2 PL1 S	51 First year annua gross	ISS: Snergy Savings	Metric First year annual and filecycle on onto (pre-evaluation) gas, electric, as demand cavings (proce and net)	d First year annual KW gross	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	292,190	320,131	258,184	270,852	224,595	244,036	255,705	203,778	320,720	Frontisis George (solicity) metal colors and Contentis, CAL by your legislat George (sevent) (\$40,000,000) and the colors (may (\$100,000,000)) and colored with low portificio solicity are reported in the remain report. 2006 arbitrarement sign with colors are grouped or 2005 colors of the remain report. 2006 arbitrarement sign with Colors are grouped or 2005 colors of the remain report. 2006 arbitrarement sign with Taylors are algorithm of Color Colors of the Color of the 2008 are 1000 arbitrarement sign of the 2008 arbitrarement sign of the 2008 arbitrarement sign of colors of colors of the 2008 arbitrarement sign of colors of colo	
2	PGBS AO	2 PL1 S	First year annual net	W St: Energy Savings	Metric First year annual and lifecycle events [pre-evaluation] gas, electric, as demand savings (gross and ret)	d First year annual kelf net	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	260,502	292,712	342,670	253,848	203,694	221,115	234,078	279,688	286,884	Frontion Energy and Long contact class and streetings. Utility is required proprieting statistical processing services and the processing services and the profition using an executation of the around urgon. 2012 all showevers the given contact and processing services and 2012 developments and given the processing services and 2012 developments and processing services and 2012 developments and Target own and given HOV. Cut suppose gave no D.D 49-655 and the 2018 Among and an around services and the contract of the contract and contracting and the contraction of the contra	
2	PGBS AG	2 PL1 S	First year and kitch gross	al SS: Snergy Savings	Metric First year annual and file-cycle ex-anne (pre-evaluation) gas, electric, as demand savings (gross and net)	d First year annual kitch gross	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	1,405,109,178	1,486,933,623	1,860,921,779	1,222,064,221	1,098,820,360	1,204,324,338	1,197,455,793	1,285,232,003	1,312,081,001	Particle Group (coloning colonic Coloning of Colonic C	
4	PGBS AO	2 PL1 S	First year ann kWh net	al SS: Snergy Savings	Metric First year annual and filecycle evanne (pre-evaluation) gas, electric, as demand cavings (gross and net)	d Anst year annual kitth net	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	1,277,130,842	1,349,224,214	1,387,667,663	1,356,667,831	982,811,096	1,078,934,997	1,076,104,441	1,152,945,111	1,180,520,489	Freshis Grange (miles of color and of classes), CRI, Nay, years beginned freshis (All Angles), All Angles (All Angles), All Angles), All Angles (All Angles), All Angles), All Angles (All Angles), All Angles), Al	
s	PGBS AO	2 PL1 S	First year ann Therm grou	al SS: Energy Savings	Metric First year annual and filecycle ex-site [pre-evaluation] gas, electric, as demand cavings (gross and net)	d First year annual Therm gross	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	23,593,224	33,340,605	22,248,177	22,353,288	22,745,548	35,932,646	37,726,503	47,690,586		Further Congress (Congress) and Congress (Congress) an	
6	PGBS AO	2 PL1 S	First year and Therm net	al SS: Snergy Savings	Metric First year annual and filecycle ex-stree [pre-evaluation] gas, electric, as demand cavings (gross and net)	d Ainst year annual Therm net	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	21,221,696	28,046,992	29,965,470	27,708,207	30,899,341	33,581,873	35,787,781	41,979,275	43,920,087	Frontisch Gering in sinker die der der der der Seine St., das, ist ein legend gegen beweit de Balloh, ihr der der Gering Mittel der	
7	PGBS AO	2 PL1 S	Lifecycle evant grass	KW SS: Snergy Savings	Metric PLLGS. First year annual and lifecycle on area (pre-evaluation) gas, do and demand savings (gross and net)	COSC, Lifecycle ewante 1000 grass.	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	2,914,361	4,128,765	4,665,515	3,362,939	2,240,549	2,433,967	2,550,452	3,029,944	3,198,918	Further Company and Company Co	
8	PGBS AO	2 PLS S	Lifecycle evant net	kW SS: Energy Savings	Metric First year annual and Mincycle as some (pre-evaluation) gas, electric, as demand savings (gross and net)	d Lifecycle awante KW net	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	2,620,800	3,879,634	4,546,856	3,092,775	1,997,206	2,169,995	2,273,867	2,701,348	2,851,997	Frontillo Engrey Lindon on March and extinence (L. M. See No. Separation of the Company of the C	
۰	PGBS AD	2 PL1 S	Lifecycle ex-as kWh gross	se St: Energy Savings	Metric First year annual and Miscycle ex-unite (pre-evaluation) gas, electric, as demand causings (proc. and net)	d Mecycle an ante XXXII gross	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	14,130,908,291	16,136,479,779	16,109,235,039	15,424,505,278	11,042,742,599	12,103,040,903	12,034,014,410	12,916,136,707	13,185,967,902	Annue Traden. The property of the Contract of Tradening A. St., Annue Tradenin	
10	PGBS AO	2 PL1 S	Lifecycle ex-as kitth net	55: Energy Savings	Metric First year annual and Minycline we wise (pre-evaluation) gas, electric, as demand swings (press and net)	d Lifecycle ex-ante XXVh net	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	12,720,204,439	14,579,998,771	15,766,703,696	54,718,206,550	10)029,841,858	10,992,869,893	10,930,169,001	11,721,275,857	11,976,448,041	Fresh Europy (and position from a Streem, for ACL by the hyper freed per book (height of ACL book (height of ACL by the hyper freed per book (height of ACL book (he	
11	PGBS AO	2 PL1 S	Lifecycle ec-a Therm gross	26 SS: Snergy Savings	Metric First year annual and lifecycle as onto (pre-evaluation) gas, electric, as demand storage (gress and reef)	d Lifecycle avante Therm gross	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	275,491,153	406,818,446	362,416,433	224,309,824	382,210,364	419,436,112	440,363,845	556,684,689	585,146,530	Further Congress (Congress) and Congress (Congress) (Co	
12	PGBS AO	2 PL1 S	Lifecycle ex-as Therm net	SE: Snergy Savings	Metric First year annual and Mingule on ones (pre-evaluation) gas, electric, as demand savings (gress and net)	d Lifecycle awante Therm net	Portfolio Level (PL)—All Sectors	2016	N/A	N/A	343,906,851	342,579,552	321,002,504	274,481,549	343,785,353	277,268,758	296,092,554	500,719,364	526,229,728	Frontillo Group, and control case or Efficience, and Ext. By even frequent frequency specifies, in the Control Group (Coll.), which can control contr	
13	PGBS AO	2 PL2 S	First year annua gross	VW S2: DAC Savings	Metric First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities	d First year annual KW gross in Disadvantaged Communities	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	28,388	21,120	14,757	15,312	21,821	23,709	24,844	29,514	31,160	Baseline data silgns with underlying savings data reported in the 2006 Annual Report. Targets align with the movement of ownall portfolio savings goals. DAC definition adopted in D.18-05-041	
14	PG&S AO			SR: DAC Savings	Metric First year annual and lifecycle or onte (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL) - All Sectors	2016	N/A	N/A	19,509	13,440	10,421	10,030	15,254	96,559	17,510	20,946	22,233	Baseline data aligns with underlying tavings data reported in the 2006 Annual Report. Turgets align with the movement of overall portfolio savings goals. DAC definition adopted in 0.18 05-041	
15	PGBS AD	2 PL2 S	First year and kitch gross	al SR: DAC Savings	Metric First year annual and lifecycle ex onse (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities	d First year annual KWh gross in Disadvantaged Communities	Portfolio Level (PS)- All Sectors	2016	N/A	N/A	104,888,728	93,840,000	78,056,148	69,622,484	81,866,516	202,268,98	89,324,227	95,871,901	97,874,696	Baseline data silges with underlying savings data reported in the 2656 Annual Report. Targets align with the movement of owesil portfolio savings goals.	
16	PG&S AO	2 PL2 S	First year ann KWh net		Metric First year annual and lifecycle ex-onte (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities	d First year annual KWh net in Disadvantaged Communities	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	72,243,493	58,850,000	58,813,142	49,326,216	\$5,594,700	61,031,574	60,872,027	65,213,019		Razeline data silgns with underlying cavings data reported in the 2006 Annual Apport. Turgets align with the reoverners of ownels portions ravings goals.	
17	PGBS AC	2 PL2 S	First year and Them grou		Metric First year annual and lifecycle evante (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL) - All Sectors	2016	N/A	N/A	1,190,084	2,640,000	2,914,208	5,600,820	1,651,635	1,812,498	1,902,923	2,405,597		Baseline data aligns with underlying swings data reported in the 2006 Annual Apport. Targets align with the resveneet of owned portfolio savings goals.	
18	PGBS AO	2 PL2 S	First year and Therm net		Metric First year annual and lifecycle ex-onte (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL) – All Sectors	2016	N/A	N/A	833,222	1,190,000	2,621,066	3,312,030	1,213,205	1,318,534	1,425,146	1,648,244		Baseline data aligns with underlying savings data reported in the 2006 Annual legont. Targets align with the novement of owned portfolio savings gails. DAC definition adopted in D.SE-06-041	
19	PGBS AO	2 PL2 S	Lifecycle ex-anti		Metric First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL) - All Sectors	2016	N/A	N/A	240,674	205,010	779,291,286	123,839	184,996	201,001	210,622	250,219		Standard after aligns with underlying savings data reported in the 2006 Annual layout. Targets align with the neverence of owned portfolio savings goals. DAC definition adopted in 0.18-06-061	
20	PGBS AO	2 PL2 S	Lifecycle events net		Metric First year annual and lifecycle ex-one (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities	d Lifecycle avante KW net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016	N/A	N/A	164,624	132,130	616,661,200	82,857	124,976	135,789	142,288	169,038		Associated and a sugar with a moderning control or source processors between greater. Baseline data sulliges with the necessors of overall portfolio source greate. DAC definition adopted in 0.18-05-061 Bayort. Targets sligh with the necessors of overall portfolio source greate.	
21	PGBS AC	2 PL2 S	Lifecycle ex-as kWh gross		Metric First year annual and lifecycle ex onto (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL)- All Sectors	2016	N/A	N/A	970,453,492	1,044,750,000	140,213	693,583,096	758,372,161	831,187,776	826,647,316	897,027,830		Standard data siligan with underlying using data apported in the 266 Annual Baseline data siligan with underlying to using data apported in the 266 Annual Baseline data siligan with the neverent of overall portrible savinger galai. DAC definition adopted in 0.18-06-041	
22			Lifecycle ex-as kitch net		Metric First year annual and lifecycle ex-one (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities		Portfolio Level (PL) - All Sectors	2016	N/A	N/A	657,271,636	652,530,000	105,151	496,721,197	518,256,652	568,017,414	564,777,877	606,177,612		resport. Tages asign with non-newment or owners promose strongs galar. Baseline data saliges with numberilying usuings data apported in their 2666 Annual Report. Tages asign with the newment or downers promoted usuings galar. Baseline data saliges with the newment or downers promoted usuings galar. Baseline data with the newment or downers promoted usuings galar.	
22		2 942 5			First year annual and lifecucie or onto (one-evaluation) gas, electric, as		Portfolio Level (PL)- All Sectors	2016	N/A	N/A	13,085,317	26,320,000	27,512,356	52,217,493	18,160,209	19,928,945	20,923,299	26,450,128	27,802,454	Aspect. Targets along with the necessaries of owned portriols outlook great. Bestine data salpse with underlying tasking data reported in the 2664 Annual Aspect. Targets along with the necessaries of annual purchisos surving spats. Adv. definition adopted in 0.18 66-041	
24		2 942 5	rimii pus		Metric demand cavings (gross and net) in disadvantaged communities First year annual and lifecycle ex-ente (pre-evaluation) gas, electric, as demand savings (gross and net) in disadvantaged communities	CONTIDUCES	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	8,536,556	15,230,000	17,966,609	30,498,092	12,032,229	13,204,123	13,862,941	17,524,798	18,420.795	Algor. Target allign with the neverence of ownsk portfolio surving gasts. Blassline data aligns with underlying usings data apported in the 266 Annual Algor. Targets allign with the neverence of ownsk portfolio survings gasts. Data definition adopted in 0.18 65-061 Blassline data aligns with the neverence of ownsk portfolio survings gasts.	
s			Therm net First year annu- gross				Portfolio Level (PL)- All Sectors	2016	N/A	N/A	51,180		2,609	2,682	29,340					Indicates the second sec	not currently collect whether a commercial culturer revert their facility men' y privary plaques in cher than falight. As a result, this metic ageography and business or certain for commercial customers and they and iscome and geography and shouling type orbins for recidential eller all required softermation to track in Placetamers and all update when they could be a visible. Given and ITM contents are not included, PGAE the merics on society and preference will consequence would all data.
36	PGBS AO	2 93 5	First year annual net	WW Sit: Hard to reach marks	First year annual and filescole on anter (per evaluation) gas, electric, with and cavings (gross and red) in hard-on-reach markets.	d First year annual KW net in Hand-to-Reach Markets	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	35,092	22,660	2,082	2,822	27,439	29,786	31,532	27,556	39,992	Baseline data slight with underlying using data reported in the 26th Annual Apport. Turgets align with the movement of overall portfolio savings gain. 178 defection adapted in 0.18-05-061	not comerfly callest whether a consensation contenter nexts their facility ment's prizery incepage is other than Galpin. As a result, this nexts specifying year of the content of commencial contents and separately seed in contents of contents of commencial contents and sell, and in contents and paginging and failure style or clean for residential sellent all required information is small kTRR contents and will update whether disease is solvation. Executed in TRR contents are one challends, PGER KTRR metrics on saving and participation will receive once all data in
27	PGBS AO	2 913 5	First year and kitch groot	al S4: Hard to reach marks	First year annual and filescale as a trip (see evaluation) gas, effects, or demand savings (great and reg) in hard-to-reach markets.	d First year annual KWh gross in Hand-to-Reach Markets	Portfolio Level (PL)—All Sectors	2016	ngra	N/A	188,154,982	164,790,000	16,158,316	20,784,126	147,025,897	161,153,648	160,234,551	171,600,117	175,572,896	HTR definition adopted in D.18-05-061	not convertly callect whether a convention content ment their facility early prises by language at other than Egilds, has a result, this metic appropriyed and have seen control the conventioners and and content and present pays with housing type of cities for medicated why and income and penatryly with housing type of cities for medicated cities at a required information to tack HTR continues and will update members done in an information to tack HTR continues and will update members done in an information to tack HTR continues and technique, PGEL HTR metics on causing and participation will increase once all data is.

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ment 4, Table 19 me: Pacific Gas and Elec t Year: 2021	ectric											ı		ictual							1		
PA ANA Page	AZA p Order	Method Code M	Units of leasurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Year	Baseline Numerator	Denominator	2016	2017	2018	2019	2018	Short Term Target	2020	Mid Term Target (2023-2025) Completion	Long Twen Target (2038-2020) Cumulative	Methodology	Key Definitions	Proxy Explanation
																							PG&E does not currently collect whether a commercial customer nexts their facil or if a customer's primary language is other than English. As a result, this metric
PGBS A02		S4 Fir	st vear annual			First year annual and lifecucie ex-onte (pre-evaluation) gas, electric, and	First year annual KWh net in Hard-to-Reach		2016	N/A	N/A	129,080,994	105,290,000	12,638,604	18,739,736	99,333,780	109,048,109	108,769,039	116,519,301	119,316,482	Baseline data aligns with underlying savings data reported in the 2006 Annual		or if a customer's primary language is other than English. As a result, this metric includes the prography and business size otheris for commercial customers and the grography and income and geography and housing type criteria for residenti customers.
PGBS A02	PLS	54	st year annual kWh net	S4: Hard to reach market	Metric	First year annual and lifecycle ex-onse (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Markets	Portfolio Level (PL)- All Sectors	2016	N/A	N/A	129,090,994	105,290,000	12,638,604	19,729,736	99,333,780	109,048,309	108,763,039	116,519,301	119,316,482	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in 0.18-05-041	
																							PGBE will collect all required information to track HTR customers and will update the metric when this data is available. Since all HTR citeria are not included, PGB anticipates HTR metrics on savingt and participation will increase once all data in available.
																							mailable. MGB Gales not currently collect whether a commercial customer neets their facilities or if a customer's primary language is other than forgish. As a result, this mestic include its the geography and business size orthant for commercial customer than the geography and income and geography and housing type criteria for recidential customers.
																							includes the geography and business size criteria for commercial customers and the geography and income and geography and housing type criteria for residenti
PGBS A02	PL3	S4 Fir	st year annual Therm gross	S4: Hard to reach market	Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm gross in Hard-to-Reach Markets	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	1,538,151	5,570,000	(4,683)	(60,085)	2,134,694	2,342,605	2,459,490	3,109,157	3,268,120	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in 0.18-05-041	
																							PGBE will collect all required information to track HTR customers and will update the metric when this data is available. Since all HTR criteria are not included, PGB anticipates HTR metrics on savings and participation will increase once all data in
					+																	-	anticipates HTK metrics on cavings and participation will increase once as each is available. PGEE does not currently collect whether a commercial customer rents their facility.
																							mailable. 764 days not convertly called whether a commercial customer next their both of 764 days not convertly called whether a commercial customer's primary language is other than English. As a result, this metric value is the geography and business size refrised for commercial customers and the peccapity and solution and geography and housing type circuits for residential customers.
PGBS A02	PLS	S4 Fir	st year annual Therm net	S4: Hard to reach market	. Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	First year annual Therm net in Hard-to-Reach	Portfolio Level (PLI- All Sectors	2016	N/A	N/A	1,117,271	3,260,000	(6,965)	(54,742)	1,626,793	1,768,029	1,894,167	2,210,139	2,312,319	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the reoverment of overall portfolio savings goals.	HTR definition adopted in D.18-05-041	Castalines.
			Item net			demand cavings (gross and net) in hard-to-reach manuels.	Manes														Report. Largets augn with the movement of overall portions cavings goals.		PG&E will callect all required information to track HTR customers and will update the metric when this data is available. Since all HTR criteria are not included, PG& anticipates HTR metrics on cavings and participation will increase once all data in available.
																							anticipates HTR metrics on savings and participation will increase once all data is available.
																							mailable. **PG&G does not currently collect whether a commercial customer neets their facilities or if a customer's primary language is other than fosglish. As a result, this mestic includes the geography and business size orthost for commercial customers and peography and income and geography and business size rothost for commercial customers.
PGBS A02		Ster	uria eu ante kW			First year annual and lifecycle evante (pre-evaluation) gas, electric, and	(Manuria ay anta VIV anno in Gantier, Beart)		2016	N/A	N/A	410,278	568,830	135,705,081	23,297	315,364	342,648	259,047	426,549		Breakon data silent with underlying regimes data reported in the 2016 in round		the geography and income and geography and housing type criteria for residenti- customers
PGSA AU	PLI	54	Bloss	S4: Hard to reach market	Metric	demand savings (gross and net) in hard-to-reach markets	Lifecycle av ante KW gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016	N/A	N/A	410,278	368,820	125,705,081	24,897	23,264	342,648	259,047	434,549	450,417	Baseline data aligns with underlying savings data reported in the 2006 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in D.18-05-041	PG&E will collect all required information to track HTR customers and will update the metric when this data is available. Since all HTR criteria are not included, PG&
																							available. PG&E does not currently collect whether a commercial customer nexts their facili or if a customer's primary language is other than langlish. As a result, this metric includes the prography and business size otheria for commercial customers and
																							includes the geography and business size criterius for commercial customers and the geography and income and geography and housing type criteria for residenti
PGBS A02	PLB	S4 Lifec	ycle ex-ante kW net	S4: Hard to reach market	Metric	First year annual and lifecycle eviante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets.	Lifecycle av ante KW net in Hard-to-Reach Markets	Portfolio Level (PS) - All Sectors	2016	N/A	N/A	273,992	419,520	104,602,330	20,066	208,005	226,001	236,818	281,340	297,090	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in 0.18-05-041	customers.
																							PG&E will collect all required information to track HTR customers and will updat the metric when this data is available. Since all HTR criteria are not included, PGI
																							PG&E will callect all required information to track HTR customers and will update metric when this data is available. Since all HTR criteria are not included, PG activates HTR metrics on saving and participation will increase once all data is validable, and the properties of the pr
																							or if a customer's primary language is other than English. As a result, this metri includes the geography and business size criteria for commercial customers and
PGBS A02	PL3	54 128	ecycle ex-ante kWh gross	S4: Hard to reach market	Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and	Lifecycle ex-ante KWh gross in Hand-to-Reach	Portfolio Level (PU- All Sectors	2016	N/A	N/A	1,684,734,581	1,768,050,000	20,102	202,828,009	1,316,555,420	1,442,965,377	1,434,735,805	1,539,905,283	1,572,074,396	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in D.18-05-011	includes the geography and business size criteria for commercial customers and the geography and income and geography and housing type criteria for resident customers.
		1	kWh gross	react market	America .	demand savings (gross and net) in hard-to-reach markets	Markets	and the second section			'										Report. Targets align with the movement of overall portfolio savings goals.		PGBE will collect all required information to track HTR customers and will updath the metric when this data is available. Since all HTR criteria are not included, PC anticipates HTR metrics on savings and participation will increase once all data
							1																over remute when this data is available. Since all HTR offsets are not included, PC anticipates HTR metrics on savings and participation will increase once all data available.
																							available. PGEs does not currently collect whether a commercial customer neets their fa or if a customer's primary language is other than English. As a result, this meti includes the geography and business size criteria for commercial customers an
																							includes the geography and business size criteria for commercial customers an the geography and income and geography and housing type criteria for residen
PGBS ACC	PL3	54 128	ecycle ex-ante kitch net	S4: Hard to reach market	Metric	First year annual and lifecycle ex-onte (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	unecycle av ante kWh net in Hard-to-Reach Markets	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	1,127,229,250	1,110,890,000	14,629	183,371,201	888,816,778	974,157,120	968,601,273	1,039,602,003	1,061,319,621	Raceline data aligns with underlying savings data reported in the 2006 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in D.18-05-061	customers.
																							PG&E will collect all required information to track HTR customers and will up the metric when this data is available. Since all HTR criteria are not included, P anticipates HTR metrics on savings and participation will increase once all data
	+																						and Copiese in the metrics on using a loss participation will occusive only as data and a country of the country of the country of the country of the order of a country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the customers.
																							or if a customer's primary language is other than English. As a result, this metri includes the geography and business size criteria for commercial customers and
PGBE A02	PLS	54 12	ecycle ex-ante Therm gross	S4: Hard to reach market	Metric	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Lifecycle awante Therm gross in Hard to-Reach Markets	Portfolio Level (PL) - All Sectors	2016	N/A	N/A	15,797,858	62,850,000	(199,416)	(444,945)	21,924,757	24,060,547	25,260,626	31,933,147	23,545,806	Baseline data aligns with underlying savings data reported in the 2016 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in 0.18-05-041	the geography and income and geography and housing type criteria for resident customers.
			nem gross			demand cavings (gross and net) in hard-od-reads manuses	Makes														Report. Largest stign with the indiversest of overall portions savings goals.		PGSE will collect all required information to track HTR customers and will upd the matrix when this data is waitable. Since all HTP collects are not included. If
																							the metric when this data is available. Since all HTR criteria are not included, Pl anticipates HTR metrics on savings and participation will increase once all data available.
																							manibble PGBE does not currently collect whether a commercial customer neets their far or if a customer's primary language is other than English. As a result, this meet includes the geography and business size criteria for commercial customers an
																							includes the geography and business size criteria for commercial customers an the geography and income and geography and housing type criteria for residen
PGBS A02	PL3	54 LX	ecycle ex-ante Therm net	S4: Hard to reach market	Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets	Markets	Portfolio Level (PL)- All Sectors	2016	N/A	N/A	10,439,141	36,410,000	(176,715)	(407,287)	14,713,911	16,146,991	16,952,643	21,430,636	22,526,328	Baseline data aligns with underlying savings data reported in the 2006 Annual Report. Targets align with the movement of overall portfolio savings goals.	HTR definition adopted in 0.18-05-041	CASTORNAS. DCSC sall collect all consisted information to track MTR customers and sall und
																							PGBE will collect all required information to track HTR customers and will updi the metric when this data is available. Since all HTR criteria are not included, Pd anticipates HTR metrics on savings and participation will increase once all data
																					Levelized costs are reported by sector consistent with primary sector groupings CSDARS PROGRAM specifications.	in	malishia
																					PAC cost per kWh or per therm or per kW is (PAC Cost x Silestric Benefits) Total Benefits) Villecycle Nes kWh or (PAC Cost x Gas Benefits) Total Benefits), Ullecycle Nestron or (PAC Cost x Silestric Benefits) Total Benefits), Lifecycle Nest kW nesportively.		
PGBS A02	PL4	LC PAG	Levelized Cost (S/kW)	Cost per unit saved	Metric	Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kW)	Portfolio Level (PL)- All Sectors	2016	\$ 357,466,832	801,209	\$ 446.16	132	\$ 120.64	\$ 348.41	\$ 495.01	\$ 495.01	\$ 495.01	\$ 412.70	\$ 401.54		Levelized costs do not include codes and standards, per D.18-05-041.	
																					The adopted avoided cost methodology does not provide information to provide meaningful value for TRC or PAC Cost per VW		
																					Portfolio TRC and PAC excludes SSA, RayRSN, and MCS benefits and program cost SW ET program costs per 0.12-11-015 (p. 52), and Financing OBF Lean Pool amounts per 0.09-09-047 (p. 288).	26,	
																					Levelized costs are reported by sector consistent with primary sector groupings. CEDARG PROGRAM specifications.		
PGBS A02		LC PAG	Laurence Com						2016	\$ 357,666,832	4,248,268,766	\$ 0.084		\$ 0.055	\$ 0.062	\$ 0.042	5 0.042	\$ 0.082	\$ 0.078		PAC cost per kWh or per them or per kW is (PAC Cost x Siectric Benefits/Total Benefits/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits), Lifecycle Net therm or (PAC Cost x Electric Benefits/Total Benefits), Lifecycle Net kW		
PGES AU	PLA	EL	Leveland Cost (S/kWh)	Cost per unit saved	Metric	Levelored cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kWh)	Portfolio Level (PL)- All Sectors	2016	3 257/840322	4,744,744	5 0.084		5 0.055	5 0.062	5 0082	5 0082	5 0.082	5 0.078	5 02%	Net therm or (PAC Cost x Electric Benefits/Total Benefits)/Lifecycle Net kW respectively	Levelized costs do not include codes and standards, per D.18-05-061.	
																					Partfolio TRC and PAC encludes ESA, BayRSN, and MCE benefits and program on SWCT recommendate part 513.11.015 (n. 53) and Einspecial MSE into Social	26,	
	+				+	-	+	1						-						 	Portibilo TEC and PAC evolution ESA, BayREN, and MCE benefits and program on SW IT program come per 0.31-11-035 (p. 03), and Fileanching OBF Lean Pool woments are Dnog McP4Ts. 1888 Leavillated Costs are reported by sector consistent with primary sector groupings CEDMAS PROSENM specification.	in .	
		1					1														CEDARS PROGRAM specifications.		
		1.	Laurellee 1.				1														PAC cost per kWh or per them or per kW is (PAC Cost is Slectric Benefit;/Total Benefit;/Lifecycle Net kWh or (PAC Cost is Gas Benefit;/Total Benefit;/Lifecycle Net therm or (PAC Cost is Slectric Benefit;/Total Benefit;)\Lifecycle Net kW osspectively		
PGBS A02	PL4	LC PAG	Leveland Cost (\$/therm)	Cost per unit saved	Metric	Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/sherm)	Portfolio Level (PL) - All Sectors	2016	\$ 45,113,354	88,206,891	\$ 0.51	0	\$ 0.53	\$ 0.64	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.47	\$ 0.46	respectively	Levelized costs do not include codes and standards, per D.18-05-061.	
							1														Portfolio TRC and PAC excludes ESA, BaykEN, and MCS benefits and program costs SW ET program costs per 0.12-11-015 (p. 52), and Financing OBF Loan Pool amounts per 0.09-08-087 (p. 288).	ns,	
		1					1														Levelized costs are reported by sector consistent with primary sector groupings CSDARG PROGRAM specifications.	in	
		1					1														TRC cost per kWh or per therm or per kW is ITRC Cost x Electric Benefits/Total		
PGBS A02	P.4	LC TRO	Levelized Cost (S/kW)	Cost per unit saved	Metric	Leveland cost of energy efficiency per kWh, therm and kW (use both TRC	TRC Levelland Cost (S/VW)	Portfolio Level (PLI- All Sectors	2016	\$ 540,167,726	801,209	\$ 674.19	393	\$ 189.97	\$ 540.79	\$ 657.34	5 657.34	5 657.34	\$ 62161	\$ 696.77	Benefit;)*Lifecycle Net kWh or (TRC Cost x Gas Benefit;/Total Benefit;/Lifecycle Net therm or (TRC Cost x Dectric Benefit;/Total Benefit;)*Lifecycle Net kW	Levelized costs do not include codes and standards, ser 0.18-05-041.	
		-	(S/kW)	cost per unit saied	AMERIC	and PAC)	severates care (4) CM)	some seven [P1] - All Sections	224	. 100,007,726		474.19	244			. 100	war.di				The adopted avoided cost methodology does not provide information to provide meaningful value for TRC or PRC Cost per NW.	13 and 1 and	
							1														Portfolio TRC and PAC excludes ESA, Ray/REN, and MCE benefits and program on	26,	
							1														Portfolio TRC and PAC excludes CSA, RayASN, and MCS benefits and program on SW ST program costs per 0:13-11-015 (p. 52), and Financing OMF Lean Pool amounts per 0:09-09-047 (p. 288).		
	П							1			1			1					-		Levelized costs are reported by sector consistent with primary sector groupings CSDARS PROGRAM specifications.	in	
							1														TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total		
PGBE ACC	PL4	LC TRO	Leveland Cost (S/kWh)	Cost per unit saved	Metric	Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/Wth)	Portfolio Level (PL)- All Sectors	2016	\$ 540,167,726	4,248,268,766	\$ 0.12	0	\$ 0.09	\$ 0.10	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.12	\$ 0.11	Benefits)/Lifecycle Net kWh or (TRC Cost a Gas Benefits/Total Benefits)/Lifecycle Net therm or (TRC Cost a Sectric Benefits/Total Benefits)/Lifecycle Net kW.	Levelized costs do not include codes and standards, per 0.18-06-041.	
							1															ms,	
																					Portfolio TRC and PAC excludes ESA, BayRIN, and MCS benefits and program costs SW ET program costs per 0.12-11-015 (p. 52), and Financing OBF Lean Pool amounts per 0.09-09-087 (p. 268).		
	ΙП						1	1													Levelized costs are reported by sector consistent with primary sector groupings CSDARS PROGRAM specifications.	in .	
PGBS A02							1														TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total		
PGBE ACC	PL4	LC TRO	Levelized Cost (\$/therm)	Cost per unit saved	Metric	Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/therm)	Portfolio Level (PL) - All Sectors	2016	\$ 68,170,738	88,206,891	\$ 0.77	0.75	\$ 0.83	\$ 0.99	\$ 0.75	\$ 0.25	\$ 0.75	\$ 071		Benefits) Lifecycle Net kWh or (TRC Cost x Gas Benefits/Total Benefits) Lifecycle Net therm or (TRC Cost x Bectric Benefits/Total Benefits) Lifecycle Net XW	Levelized costs do not include codes and standards, per D.18-05-061.	
							1														Portfolio TRC and PAC encludes ESA, BayREN, and MCE benefits and program on	m,	
PGBS A02	ш																				Portfolio TRC and PAC wadvaler CSA, RayAEN, and MCE benefits and program on SW ET program costs per 0.13-11-015 (p. S2), and Financing OBF Lean Pool amounts per 0.09-09-047 (p. 288).		
PGBE ACC	RSF1	Si First	year annual VW gross	S1: Energy Savings	Metric	First year annual and lifecycle evante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual KW gross	Residential (RSF)	2016	N/A	N/A	39,900	19,610	28,176	29,987	32,437	44,639	42,416	45,472	47,538	Baseline savings tie to 2016 Annual Report. Targets are aligned with CPUC adopt	ed Single family savings are based on dwelling type, and includes R2N of the savin from Residential Energy Advisor based on the portion of Home Energy Reports years to visible-basily outborners	
PGBS A02	RSF1		year annual VW net	S1: Energy Savings		First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers		Residential (RSF)	2016	N/A	N/A	34,733	13,701	24,926	38,291	30,042	41,301	29,926	42,728	44.874	Baseline savings tie to 2016 Annual Report. Targets are aligned with CPUC adopt	and Single family savings are based on dwelling type, and includes 82% of the savings	e .
	_	_			_	demand savings (gross and net) for Single Family Customers			2016												goals in D.17-09-025 and the 2018 Potential and Goals Study.	from Residental Energy Advisor based on the portion of Home Energy Reports uses to sink-banky outstances. Single family savings are based on desiling type, and includes SENs of the sub- tion Residental Energy Advisor based on the portion of Home Energy Reports uses to single-family outstances.	8
	RSF1		st year annual kWh gross			First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers		Residential (RSF)		N/A	N/A.	150,787,255	175,929,564	194,294,084		152,753,524	213,638,729	208,749,714	236,369,990	260,973,932	goals in D.17-09-025 and the 2018 Potential and Goals Study.	from Residential Energy Advisor based on the portion of Home Energy Reports sent to single-family outcomers.	
PGBS A02	RSF1	S1 Fir	st year annual kWh net	SS: Snergy Savings	Metric	First year annual and lifecycle eviente (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh net	Residential (RSF)	2016	N/A	N/A	542,699,079	157,113,032	189,496,811	216,718,772	143,429,942	199,382,064	196,891,387	217,644,942	236,758,824	Baseline savings tie to 2016 Annual Report. Targets are aligned with CPUC adopt goals in 0.17-09-025 and the 2018 Potential and Goals Study.	and to sink-family outstanding type, and includes \$21% of the saving thomas are too sink-family outstanders. Single family savings are based on deelling type, and includes \$21% of the saving thom Residential Energy Advisor based on the portion of Home Energy Report seet to sink-family outstanders.	
							1															sect to unate-tamily customers.	

Attachment 4, Table 19	
PA Name: Parille Gos and Electric	

PA Name Reduct V	nt 4, Table 19 : Pacific Gas and I car: 2021	Electric						44 C 14 S													
index	PA AZA P	age Order Cod			Metric/ Indicator Business Plan Att A Description	Mestic	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2010		2020	Mid Term Target (2023-2025) Cumulative	Long Term Target (2030-2020) Cumulative	Methodology Key Definitions	Proxy Explanation FLAG
47	PGBS ACC	RSF1 S	1 First year annual Therm gross	S1: Energy Savings	Metric First year annual and lifecycle ex onto (pre-evaluation) gas, electric, and demand savines lessos and net) for Sinele Family Customers	First year annual Therm gross	Residential (RSF)	2016	N/A	N/A	4,632,719	3,369,150	4,886,355	3,802,555	9,470,631	11,898,350	10,568,294		13,035,818	Reselve rusings tie to 2016 Annual Report. Targets are aligned with CPUC adopted from y cavings are based on dwelling type, and includes 82% of the savings again in 0.17-09-025 and the 2018 Reservation and Goals Study. Brown Residential Energy Advisor based on the portion of Home Energy Reports.	
48			First year annual Therm net		First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and	First year annual Therm net	Residential (RSF)	2016	N/A	N/A	4,236,882	3,212,904	4,641,630	3,720,910	8,451,068	10,539,716	9,568,634	10,106,555		Baseline savings tie to 2016 Annual Report. Targets are aligned with CPUC adopted. Single family savings are based on dwelling type, and includes 82% of the savings.	
	PGBS ACC		i lifecycle ex-ante kir	S1: Energy Savings	Metric demand savings (gross and net) for Single Family Customers Metric First year annual and lifecycle evante (pre-evaluation) gas, electric, and demand replace or produced for the Single Carolin Customers	Lifecycle awante KW gross	Residential (RSF)	2016	N/A	N/A	169,455	220,606	206,084	263,276	137,759	189,581	180,141	193,118	201.894	gains in 1179-925 and the 2018 Fermion and Goods Ready. With Indicational Assign Scholars beard on the purson or in varies along separate Original to 1179-925 and the 2018 Fermion and Goods Ready. Original to have present a single violent and indicational formation and the second of the purson or in varies along separate Display to the purson of the second or the purson or invaries and on the purson or invaries and original second original second or invaries and original second original second or invaries and original second original	
-			gross																	2016 achievements align with savings reported in 2006 Annual Report. Single family savings are based on dwelling type, and includes \$2N of the savings.	
50	PGBS ACC	RSF1 S	1 net	SS: Snergy Savings	Metric First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle awante KW net	Residential (RSF)	2016	N/A	N/A	131,010	157,629	171,971	225,671	119,929	165,030	156,813	168,110	175,749	2016 is chrowenest sign with saving reported in 2016 Annual Apport. Single family savings are based on dwelling type, and includes £214 of the savings from bediendated family savings target based on 2016 achievements (baseline) and first ware calculate power.	
51	PGBS ACC	RSF1 S	1 Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric First year annual and lifecycle ex-anse (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle av ante KWh gross	Residential (RSF)	2016	N/A	N/A	412,342,972	1,051,475,778	1,095,587,656	1,616,837,189	417,719,834	584,216,674	\$70,830,760	646,377,600	713,659,563	2016 achievements align with savings reported in 2016 Annual Report. Single family savings are based on dwelling type, and includes 2016 of the savings from Residential Energy Advisor based on the portion of Home Energy Reports	
																				And a contract tecycle caving trapet cause on Jose accessment (passine) sent to single-family austrance. Socie family assistances. Socie family assistances. Socie family assistances.	
52	PGBE ACC	RSF1 S	1 Lifecycle ex-ante kWh net	SS: Energy Savings	Metric First year annual and Efecycle evante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle av ante kWh net	Residential (RSF)	2016	N/A	N/A	318,969,695	803,133,939	989,795,041	1,591,978,918	395,313,582	\$\$2,879,494	540,211,596	611,706,130	675,379,112	PGEE estimated lifecycle savings targets based on 2006 achievements (baseline) from Residential Energy Advisor based on the portion of Home Energy Reports	
Ω	PGBS ACC	t RSF1 S	1 Lifecycle ex-ante Therm gross	S1: Energy Sovings	Metric First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle awarde Therm gross	Residential (RSF)	2016	N/A	N/A	13,923,586	9,162,733	9,475,125	(12,793,166)	28,484,322	35,786,642	31,785,705	29,425,686	39,207,547	use flor over nations receive: Self E Google-Renny catteriories. Self E Google-Renny catteriories. Songle-Renly cavity care based on dealing type, and includes ESN of the caving BEES and manufactures of the caving the Renny Control of Horse Foreign Renny Control BEES and manufactures (Renny Propose Tenant America) (Renny Renny Renny). BEES and manufactures (Renny Renny Re	
_																				AGE estimated likey-de usings targets based on 2006 achievements (baseline) sent to single-family customers. Society and various treases 2016 achievements align with savings reported in 2006 Annual Report. Society family savings are based on dwelling type, and includes 62% of the savings	
54	PGBS ACC	RSF1 S	1 Lifecycle ex-ante Therm net	SS: Energy Savings	Metric First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers		Residential (RSF)	2016	N/A	N/A	10,744,757	4,452,046	2,947,893	(15,975,573)	26,665,365	23,500,811	29,755,928	36,908,034	36,703,460	PGES estimated lifecycle savings targets based on 2006 achievements (baseline) to meet to single-family customers.	
SS	PGBS ACC	I RSF2 G	MTCCOpq	GHG	Metric Greenhouse gasses (MT CO2eq) Net Wh savings, reported on an annual basis.	CO2-equivalent of net annual kWh savings	Residential (RSF)	2016	N/A	N/A	66,498	75,190	22,275	25,515	66,843	92,912	91,752	101,423	110,330	And are sent sent sent sent sent sent sent sen	
54	PGBS ACC	s RSF3 DS	-D Lifecycle NET kW	0s: Depth of interventions: Per downstream participant	Average swings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-in - Downstream	Residential (RSF)	2016	106,110	69,408	1.53	2	2.91	0.75	1.57	1.59	1.62	1.66	1.72	Numerator: rotal downstream savings cosmic Denominator: Total number of downstream participants (unique premise and Per SD: "Energy savings" lifecycle NET savings. Increase life()	
52	PGBE AG	s RSF3 DS	-D Lifecycle NET KWh	0s: Depth of interventions: Per downstream participant	Average taxings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante kWh net savings per participant - Opt-in - Downstream	Residential (RSF)	2016	208,538,195	69,408	3,005	3,271	6,763	2,353	3089	3132	3176	3266	2281	Numerator: Total downstream savings claimed becominator: Total number of downstream participants (unique premise and Per ED: "Energy savings" = lifecycle NET savings.	
Sit	PG&E ACC	s ssra os	Uflecycle NET Therm	DS: Depth of interventions:		Average lifecycle ex-ante Therm net savings per participant - Opt-in - Downstream	Residential (RSF)	2016	7,383,257	69,408	106.37	222	616.83	168.72	109	111	112	116	120	Jacopart III-l Manarator: Total downstream savings claimed Decominator: Total number of downstream participants (unique premise and Per ESC: "Energy savings." - lifecycle NET savings.	
59	PGBE ACC	s ssra os-	M Lifecycle NET kW	Dt: Depth of interventions:		Average lifecycle ex-ante kW net savings per participant - Opt-in - Midstream	Residential (RSF)	2016	69,100	N/A	N/A	Account (No.) Middlenam markedology -MOT FAGSELSNumerator: Tetal midstream savings chimedDenominator: (not available) number or sector of midstream agreed to report only the numeror for this metric in the compliance filing.									
			M Lifecycle NET KWh	Dt: Depth of interventions:	prosen down by downstream, microvers and upstream, at reasons Average ravings per participant in both opt-in and opt-out programs (broken down by downstream, middzeam and upstream, as feasible)		Seridential (SSE)	2016	70.830.960	N/A	N/A	matricianum: agrees to export only the running or the companion of the co									
_		s RSF3 D1-		Per midstream participant Dt: Depth of interventions: Per midstream participant			Residential (RSF)	2016	2,325,660	N/A	No	N/A									
64					Metric Average savings per participant in both ope in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)							N/A								Middeman entrolluling: AND FEAGURE-In-Missacration: That endorsess in legislation of a control of the control o	
ω.				Dt: Depth of interventions: Per opt out participant	Metric Average savings per participant in both opt-in and opt-out programs. (Broken down by downstream, midstream and upstream, as feasible)		Residential (RSF)	2016	20,000	1,500,000	0.02	•	0.24	0.02	0.021	0.021	0.021	0.002	0.023		
ω		s RSF3 DS		Ds: Depth of interventions: Per opt out participant		Average lifecycle ex-ante kWh net savings per participant - Opt-out	Residential (RSF)	2016	133,050,000	1,500,000	89	92	1703	87	91	92	94	96	100	Numerator: net lifecyde savings from Home Energy Reports Denominator: stall number of	
64	PG&E ACC	s RSF3 DS	 Uflecycle NET Therm 	Dt: Depth of interventions: Per opt out participant	Metric Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Average lifecycle ex-ante Therm net savings per participant - Opt-out	Residential (RSF)	2016	4,050,000	1,500,000	2.70	3	65.90	2.77	2.8	2.8	2.9	2.9	3.0	Decominator stati number of livera George Reports NOT reviews Non-marker in Effects saving from Home George Reports LI Currently, the only opti-out program is the Home George Reports across the Control out the Control out of the Control	
65	PG&E ACC	s RSF3 DS	-U Lifecycle NET kW	Dt: Depth of interventions: Per upstream participant	Metric Average savings per participant in both opt in and opt-out programs (broken down by downstream, midstneam and upstneam, as feasible)	Average lifecycle ex-ante kW net savings per participant - Opt-in - Upstream	Residential (RSF)	2016	1,316	N/A	N/A	Upstream methodology—NOT FEASINES**Numerator: Total upstream savings claimed*-Denominanor: (not available) number or sector of of upstream participants of the numerator for this mercic in the compliance filing.									
66	PGBS ACC	s RSF3 DS	-U Lifecycle NET kWh	Ds: Depth of interventions: Per upstream participant			Residential (RSF)	2016	896,980	N/A	N/A	Upstream methodology- NOT FFASIRS-Numerator: Total upstream savings claimedDenominator: (not available) number or sector of of spatnesm Since it is unclear how to define upstream "participants," FAs and ED agreed to									
Θ.		s sera os		Dt: Depth of interventions: Per upstream participant	Metric Average rawings per participant in both ope-in and ope-out programs (broken down by downstream, midstream and upstream, as feasible)		Residential (RSF)	2016	124,823	N/A	N/A	participants Insport only the summator of this national configuration in the configuration i									
				Per upstream participant P1: Penetration of energy efficiency programs in the eligible market: Percent of	(broken down by downstream, midstream and upstream, as feasible)	participant - Opt-in - Upstream	,													the control of the co	
68	PGBS ACC	RSF4 P	1 Percent	Partidoation		Percent of participation relative to eligible population	Residential (RSF)	2016	69,408	4,474,840	1.6%	0	3.29%	0.76%	1.6%	2.3%	2.3%	2.7%	3.0%	(Si) Decominator: total number of unique 5F account and premise this	
69	PGBS ACC	BSF4 PS	2 Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric Percent of participation in disadvantaged communities	Percent of participation in disadvantaged communities	Residential (RSF)	2016	16,236	548,892	3.0%	0	3.79%	122%	3.02%	3.02%	2.02%	3.1%	3.2%	Numerator: Number of SF participants in DACs (unique account and premise ISN) Denominator: Total number of SF customers in DACs (unique account and premise DAC customers defined in accordance with D.18-0F-061	
																				(Dit) Numerator Number of CC VID nontrinears (unique sonues and nomina life) Circ.	ra 9055 februar met sam sammer lanassama elema tihis mantrir irlambilian maridantrial
70	PGBS ACC	RSF4 P	4 Percent	Pt: Penetration of energy efficiency programs in the HTR market	Metric Percent of participation by customers defined as "hand-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Residential (RSF)	2016	14,590	604,424	24%	0	0.27%	0.24%	2.5%	2.5%	2.5%	2.5%	2.7%	Namerators: Number of SF WR participants (unique account and premise Its) Brownistants: Total number of SF WR customers (unique account and premise MR customers defined in accordance with 0.18-05-041. Col. Namerators	ce PG&E does not yet report language data, this metric identifies residential omers as HTR if they meet the geography and income and geography and sing type criteria.
																				PAC cost per KWh or per thems or per KW is (PAC Cost s Kinstric Beneflet/Total Beneflet/Ullecyde Net KWh or (PAC Cost s Gas Beneflet/Total Beneflet/Lifecyde Cost per KWh or per themse or per KWh (Dat s Gas Beneflet/Total Beneflet/Lifecyde)	
71	PGBS ACC	RSFS LI	PAC Levelized Cost (S/kW)	Cost per unit saved	Metric Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kW)	Residential (RSF)	2016	\$ \$7,896,037	131,000	\$ 641.92	337	\$ 158.76	\$ 272.23	\$ 419.83	\$ 419.83	S 419.83 S	297.72 \$	375.63	Not therm or IPAC Cost x Electric Benefits (Total Benefits) Lifecyde Not VW Impetchely Levelland costs are reported by sector consistent with primary sector groupings in CEDAKS PROGRAM specifications.	
																				The adopted avoided cost methodology does not provide information to provide a meaningful value for TBC or PMC Cost per kW.	
																				PAC cost per kWh or per them or per kW is (PAC Cost x Siestric Benefity/Total	
72	PGBS ACC	RSFS LE	C PAC Leveland Cost (S/kmh)	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kWh)	Residential (RSF)	2016	\$ 57,896,037	318,969,695	\$ 0.18	٥	\$ 0.06	\$ 0.04	\$ 0.17	\$ 0.17	S 0.17 S	0.16 \$	0.15	ASC cast a per visits or per them or per visit y BAC cast a Security Security and security Security Security or Security Securit	
																				Inspections of the control of the co	
73	PGBS ACC	a RSFS LI	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/therm)	Residential (RSF)	2016	\$ 11,021,211	10,744,757	\$ 1.03	0	\$ 0.41	\$ 0.30	5 0.98	5 0.98	\$ 0.98 S	0.92 S	0.87	Benefits/Ulksyck het kith or PAC Cost x Gas Benefits/Total Benefits/Lifecycle het there or PAC Cost x Electric Benefits/Lifecycle Net VW temport/wely temport/well temport/wel	
																				TRC. cost per kinh or per therm or per kink (TRC Cost is Sective inverting Total industries), the cost is section of the cost is section	
74	PGBS ACC	RSFS LI	TRC Leveland Cod (S/kW)	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/kW)	Residential (RSF)	2016	\$ 86,484,365	131,000	\$ 660.14	624	\$ 601.78	\$ 348.91	\$ 627.13	\$ 627.13	\$ 627.13 \$	594.12 \$	561.12		
																				The adopted avoided cost methodology does not provide information to provide a meaningful value for TBC or PMC Cost per NW.	
75	PG&E ACC	s RSFS LI	TRC Leveland Cod (S/kwh)	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelined Cost (S/kWh)	Residential (RSF)	2016	\$ 86,484,365	318,969,695	\$ 0.27	0	\$ 0.10	\$ 0.05	\$ 0.26	s 0.26	s 0.26 s	0.24 \$	0.23	TRC cost per With or per therm or per Will (TRC Cost x Discortic Beneflor/Total identifical) belongs here kinds or (TRC cost x Gost Senerlar). The cost is senerally consistent with primary sector groupings in CDDASS PROGRAMM specifications.	
			TRC Level and Cost		Laudinations of agency efficiency per WAS there and William both TO																
ж	PGBS ACC	i RSFS LI	C TRC Levelized Cod (\$/therm)	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)		Residential (RSF)	2016	\$ 16,478,432	10,744,757	\$ 153	1	\$ 0.69	\$ 0.29	\$ 1.46	S 1.46	S 1.66 S	138 5		Net therm or (TRC Cost x Bectric Benefits/Total Benefits)Uflecycle Net XW	
77	PGBS ACC	n RSFGI D	s Seu	Energy intensity per SF household	Indicator Average energy use intensity of single family homes (average usage per household – not adjusted)	Average electric and gas usage per household	Residential (RSF)	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	N/A - Indicator	Numerator: Total SF energy use from PGBS database (gst = electric) Denominator: Number of unique account and premise ID in SF segment Mousehold refers to a unique account and premise ID in SF segment	
78	PGBS ACC	I RMF1 S1-	First year annual kingross	S1: Energy Savings	First year annual and lifecycle ev anne (pre-evaluation) gas, electric, and demand savings (grass and net) for multifamily customers (in-unit, common area, and master metered accounts).	First year annual KW gross - In Unit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	7.949	2,817	5.465	4,273	6,826	8.700	8.902	10,153	11,094	Baseline savings tie to 2016 Annual Report. Targets are aligned with CPUC adopted any building or property with at least two residential housing units. Multi-family goals to 0.117-09-005 and the 2018 Postetial and Goals Study.	
			gross				tamily (RMF)													portfan of Home Energy Reports sent to multi-family customers.	
29	PGBS ACC	RMF1 SI	Rinst year annual kin	S1: Energy Savings	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-writ, common area, and master metered accounts)	First year annual KW net - In Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	7,496	2,022	5,247	4,483	5,891	7,697	7,949	9,070	9,887	baseline scaling the 19 2016 Annual Report. Targets are slighted with CRUZ adopted goals in 0.1179-925 and the 2018 Februarial and Goals Study. policy in CRUZ Properties of the 2018 Februarial and Goals Study. purple (cold.or) 72 of the unique) price before description for the content of the properties of the second or the properties of the content of the properties of the prope	
			-				samely (Marce)													portion of Home Energy Reports and the Journal and dode shape. portion of Home Energy Reports and to multi-family customers.	
80	PGBS ACC	RMF1 S1-	First year annual kitch gross	S1: Energy Savings	First year annual and lifecycle evente (pre-evaluation) gas, electric, and Metric demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual KWh gross - In Unit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	29,178,051	30,672,075	27,212,127	23,903,587	29,962,926	28,228,162	29,675,135	44,810,408	50,095,694	And Early designation and on designation and the second sec	
																				portion of Home Energy Reports sent to multi-family customers.	
81	PGBE ACC	RMF1 SI-	(U First year annual kWh net	S1: Energy Sovings	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kWh net - in Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	28,722,283	29,643,646	27,779,364	24,393,013	27,008,041	34,587,874	35,941,953	40,044,569	44,301,692	Baseline scalings list to 2016. Annual Report. Targets are aligned with CVX adoption shadow groups and selected strategy and in 0.17-09-05 and the 2018 Presental and Goals Study. Which lambly designation based on dwelling type in PAEE distables and or felicit to make groups and in the seat to an investment to housing within. Male formity pages in contrast to a PAEE distables and or felicit to make femily within the seat or felicities and include 3.75 of the seater align has been desired by a particular of victors of victors.	
																				partition of Home Energy Reports sent to multi-family customers. Multi-family declaration based on dwelling true in HGBE database and refers to	
82	PGBS ACC	RMF1 S1-	III First year annual Therm gross	SS: Energy Savings	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual Therm gross - in Unit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	856,377	1,240,264	1,222,538	1,094,811	1,422,317	1,783,970	1,829,791	2,752,920	3,588,827	Mail: Instity designation has and on desiling type in PGEA Estates and infers to haseline scaling (se to 2016 Annual Report, Targets are alliqued with CRUC salepset gank in 0.17 GH-925 and the 2018 Retential and Goods Study. Assistance of the 2018 Retential and Goods Study.	
																				And desired and the second of	
83	PGBS ACC	RMF1 SI	(U) First year annual Therm net	SS: Energy Savings	First year annual and lifecycle ev-ante (pre-evaluation) gas, electric, and Metric demand savings (gross and net) for multifamily customers (in-writ, common area, and master metered accounts)	First year annual Therm net - in Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	862,779	1,304,577	1,164,789	1,085,260	1,198,230	1,482,985	1,529,949	1,897,754	2,368,433	Baseline scalings to to 2016 Annual Report. Targets are aligned with CPUC adopted any building or property with at least two redistricts from his building and the DLT adopted grant in DLT-09-025 and the 2018 Posterial and Goals Study. Perform of Hospital Study of the swilege from Residential Energy Addiest based on the partition of Hospital Study study of the swilege from Residential Energy Addiest based on the partition of Hospital Study study study of the Study	
84	PGBS ACC	RMF1 SI	U Stecycle ex-ante ki grass	SS: Energy Savings	First year annual and lifecycle evente (pre-evaluation) gas, electric, and Metric demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle awante kW gross - in Unit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	23,058	23,507	18,609	4,822	19,801	25,236	25,824	29,452	32,007	All baseline usings ris to 2016 Annual Report. Targets are aligned with CRUC subgrad goals in D.3.7 69-025 and the 2018 Potential and Goals Study, possible of property professional biological property with a least two en	
					First year annual and lifecucie or onto (pre-evaluation) gas, electric, and															Multi-family designation based on dwelling type in PGSE database and refers to	
85	PGBS ACC	RMF1 S1-	net net	S1: Energy Savings	Metric demand swings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle awante KW net - in Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	18,653	24,763	16,094	4,931	18,648	23,766	24,319	27,797	30,543	All baselines usingst the 30 016 Annual Report. Targets are aligned with CRUC and building or property with at least tree residential busings unknown with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential busings unknown buildings or property with a least tree residential business. But the residential business unknown buildings or property with a least tree residential business. But the residential business unknown buildings or property with a least tree residential business. But the residential business unknown business unknown business and the residential business unknown business unknown business and the residential business unknown business and the residential	
					First year annual and lifecycle or onto (pro-evaluation) gas, electric, and															Multi-family designation based on dwelling type in PG&E database and refers to	
86	PGBS ACC	RMF1 SI-	Lifecycle ex-ante kWh gross	S1: Energy Savings	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kWh grass - In Unit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	55,044,962	88,869,434	55,869,480	28,804,777	54,525,645	72,325,693	74,847,917	84,535,710	94,506,505	All Sandine scaling sin to 2016 Annual Report. Targets are rigined with CVCL adoption plant in EAST decisions and others to adopt the scaling sin to 2016 Annual Report. Targets are rigined with CVCL adoption goals in 0.21 Cel 2016 meter for 2018 Protection and Geath Study, adoption goals in 0.21 Cel 2016 meter 2018 Protection and Geath Study, and protection of the Study Reports and Study Reports and Study Reports and Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the protection of the Study Reports are to scaled for the Study Reports are to scaled for the Study Report and Study Reports are to scaled for the Study Reports are to scale for the Study Reports are to scaled for the Study Reports are to scale for the Study Reports are to scaled for the Study Reports are to scale	
	PGBS ACC		u Lifecycle en moto		First year annual and lifecycle we onne (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and meater memoral accounts)		Residential Sector - Mu ⁽⁴⁾	2016	N/A	N/A	46,230,154	71,535,215	50,840,793	28,475,120	55,642,895	71,196,197	73,679,032	83,215,532	49.4***		
82	Plata AD	1 HAR-1 SI	Lifecycle ex-ante kitch net	S1: Energy Savings	Metric demand savings (gross and net) for multitumity customers (in-unit, common area, and master metered accounts)	Lifecycle av ande KWh net - In Linit	Residential Sector – Multi- family (RMF)	2016	ng/A	N/A	46,330,154	/1,35,315	50,840,793	28,475,120	55,642,895	71,196,197	74,679,032	10,215,532	93,090,615	All baseline strongs the to 2016 Annual Report. Targets, are aligned with CPUC adopted goals in 0.17 04-025 and the 2018 Patential and Goals Study, and public go property with at least to are relationed broadly about during a property with at least to are relationed broadly about during a property with at least to are relationed broadly about during a solicy and the swings from the Received Energy Advisor based on the particle of latened Received and posture seator and deliveral beauty during with the swings from the swi	
66	PGBE ACC	BME1 ~	Lifecycle en ante	SS: Snegy Savings	First year annual and lifecycle eviante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle awante Therm grass - in Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	2,285,562	9,209,274	5,848,033	2,454,370	3,795,985	4,761,189	4,867,668	7,347,195	6039 473	All baselne surings to to 2016 Annual Report. Targets are sligned with CPUC. All paselne surings to to 2016 Annual Report. Targets are sligned with CPUC. All paselne surings to to 2016 Annual Report. Targets are sligned with CPUC. All paselne surings in the 2014 Persential and Casis Study. All the control of the CPUC and the 2014 Persential and Casis Study.	
-	A0		U Lifecycle ev-ante Therm gross	as. seedly basings	common area, and master metered accounts)		family (RMF)	2,548	-/n	-for	4,440,562		2,010,022	2,000,070	V-10,600	1,711,209	-,0007,0000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9,070,252	portfion of Home Energy Reports sent to multi-family customers.	
80	PGBS ACC	RMF1 SI	Lifecycle ex-ante Therm net	SS: Energy Savings	First year annual and lifecycle ex once (pre-evaluation) gas, electric, and Metric demand savings (grass and net) for multifamily customers (in-unit, common area, and master metered accounts).	Lifecycle avante Therm net - in Linit	Residential Sector – Multi- family (RMF)	2016	N/A	N/A	1,815,288	6,193,938	4,190,606	1,847,865	3,824,362	4,716,783	4,903,856	7,402,120	9,649,755	All baseline statings that 2016 Annual Regent. Targets are aligned with COLS analyses goals in 8.17 69-025 and the 2018 Potential and Goals Study, particularly included Training from Residential Study, particular of Study (Residential Study, Askinst basel on the particular of Study Regions (Residential Study, Askinst based on the particular of Study Regions (Residential Study, Askinst based on the particular of Study Regions (Residential Study, Residential Residential Study, Re	
			Therm net		common area, and master metered accounts)		tamey (RMF)													accepted goas in U.1 / OH-U.2 and the JUSE Patential and Goals Study. usings include 17% of the usings from Residential Energy Advisor based on the portion of Home Energy Reports sent to multi-family customers.	

Att	achmen	t 4, Tabl	c 19	
PΑ	Name	Parific (los sed	Electric

Name: Pacific Gas a dget Year: 2021										Baseline			Act	tual			Short Term Target				٦	
PA At	ATA Page Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2019	2020	Mid Term Target (2023-2025) Cumulative	Long Term Target (2038-3026) Cumulative	Methodology Key Defi	nitions Proxy Explanation 544G
PGBE	AGG RAMF:	. SS-MM	First year annual kW gross	SS: Snegy Savings	Metric	First year annual and lifection in store (pre-evaluation) gas, electric, and demand orange (great and ned for multilately catations) (a-valid, secretics are, and matter mattered secretics)	First year annual KMI gross - M asser Mesered	Sectional Sector – Multi- thenly (RMF)	2016	N/A	N/GA.	N/A	N/A	N/A	360,6611958	N/A	N/A	N/A	N ₄ (0).	N/A	PAGE's under to request this metic of this first because PGGET as on this stocky monetary arguest than the transition and the stocky and a stocky and was consistent for the first and the stocky and a stocky and of a stocky, and was consistent for the first and the stocky are stocky as a stocky as a stocky are stocky as a stocky as a stocky as a stocky as a stocky and the stocky as a stocky as a stocky as a stocky as a stocky and the stocky as a stocky as a stocky as a stocky and the stocky as a stocky as a stocky as a stocky as a stocky as a stocky as a stocky as a stocky as a stocky a	The control of the co
PGEC	AGG RANF:	. SS-MM	First year annual kW net	SS: Snergy Savings	Metric	First year annual and lifergine as the lips we evaluating gas, electric, and demand causing ligens and neight multilensing catasines (in-east, executions area, and mater meteorial accusate).	First year annual KW net - Master Metered	Residential Sector — Multi- turnily (RMS)	2016	N/A	sejon	NGA	N/A	N/A	235.1708686	N/A	N/A	N/A	N _c Os.	M/A	Held it would be request the entire of this time because Yeld I be not historical value of the contract of the	high consistent was contained community for some profess shall be the Section of Section (Section Section Sect
PGES	AGG RAME:	. SS-MM	First year annual kitch gross	St: Energy Savings	Metric	Set year small and Blogdie mobile (pre-evilation) gas, electric, and damand casing (gress and notify or multitudins) quatement (or work, converse size, and mader metered scopping).	First year annual kitch goos - Marter Metwed	Sectional Sector – Multi- theoly (RMF)	2016	N/A	N/A.	N/A	N/A	N/A	770277.222	N/A	N/A	N/A	N/OA	N/A	MSEE a violet to report the order or the fine forward MSEE for not frameway, required represent and the term and and reported at this hand of direct, and was valued to represent for the DEG.	And consideration in exercise (consequent for consequent for consideration) and consideration (consequent for consequent for c
PGEC	AGG RAMF:	. SS-MM	First year annual kWb net	SS: Snergy Savings	Metric	First pers annual and Brogole exists (pro-exhaution) gas, electric, and common long (gens and ring for multi-lamin) customers (b-seat, common sease, and reader modered account).	First year annual kitch net - Masser Metered	Sectionarial Sector – Multi- family (RMF)	2016	N/A	Mor	NGA	N/A	N/A	600651.6881	NEA	MFA	N/A	N/OL	M/A	MALE value to report this order of this stoke locate MALE has not instructive country to the first fir	content allows The content allows are content and content and any of an
PGES	AGG RAMF:	. SS-MM	First year annual Therm gross	S1: Greegy Savings	Metric	For your annual and lifesylle is not by the evaluation (gap, electric, and demand using ignus and right or malfamily customers (in-out, customers area, and entail or extend account).	First year annual Thems gross - Master Methered	Paraidential Sector – Multi- humby (RMH)	2016	N/A	Mor	N/A	N/A	N/A	70294.58282	N/A	N/A	N/A	N _C OL	86/54	MACE is written to oppose this member of this time Member MACE for not instructive would be all developed and the following and the following and the contractive would be all developed are not found.	entented riskur. PAEE consoled the American Community inversy and the 2000-2010 PAEE and LES assistance in Community inversity and the 2000-2010 PAEE and LES assistance in Community inversity and the 2000-2010 PAEE and LES assistance in Community and LES assistance in LES assistance
PGES	AOB RANF:	. SS-MM	First year annual Therm net	SS: Snergy Savings	Metric	First peer annual and Brogole exactor (pro-exclusion) gas, electric, and control and progole exactor (pro-exclusion) (price), controls area, and reader indexed accounts	First year annual Therm net - Master Metered	Periodential Sector – Multi- family (RMF)	2016	N/A	sejon	N/A	N/A	N/A	45630.14736	N/A	MEA	N/A	N _c Ox.	M/A	MALE is within to report the order or this steel because PEAL for and instructive world to define a steel or to the contract of the steel or to the contract of the steel or to the contract of the steel or to the contract or to the contract or to the contract of the steel or to the contract or to t	consist allow. Media consiste side for the consistency for low and the 2005 200 DEED and and the consistency for the consiste
PGBS	AGG RANF:	SI-MM	Ušecycle eo ante kW gross	SS: Energy Savings	Metric	tong per around and Moyade are not per evolutioning as wheels, and demands using green and off or multimosis patients (a-val, contents area, and matter matered accounts).	Lifetycle ou anto little gross - Moster Meteored	Secidential Sector – Multi- family (RMF)	2016	N/A	s40x	N/A	N/A	N/A	1235.230071	N/A	M/A	N/A	N/A	N/A	health, and the report the walls of this filter beauth MALT for not believed, where the second of th	received about the contract of contract, and was part of contract and the
PGRE	AGG RAMF:	. SS-MMM	Ufecycle ex-ante kW net	St: Energy Savings	Metric	tics pair around and filteration are too (are exhibited age, electric, and demand changing (green and notify or multitudinal) quantums (a vivid, convents area, and matter metered accounts)	Lifequise ex-acts kill' net - Master Metered	Sectional Sector — Multi- theoly (RMF)	2016	NJA	N _E CA.	N/A	N/A	N/A	805.4823655	N/A	N/A	N/A	N _c (a,	N/A	hold it width to appet this action after the foreign which is a second to a se	The state of the s
PGRE	AGG RANF:	. SS-MM	Lifecycle en ante kWh gross	SS: Energy Savings	Metric	tors year around and Mongals marked jorn-architecturing as shocks, and demonstrating graves and neglect or multifensity contames (always graves and reader marked accounts).	Lifetycle ex-ante litth gross - Master Metered	Secidential Sector – Multi- turnity (RMF)	2016	N/A	N/CA.	N/A	N/A	N/A	2784164.822	N/A	N/A	N/A	N/OL	N/A	redicts and the required the value of the first below and MSAT to not be belowing required program does the treated and representation of the head of shall, and was unable to debuding a prompt for this filling.	Add consider the American Community (see see that 2002-2000 Feld and (2002-2004) being from Community (see that 2002-2002) and the consideration and following the community (see that 2002-2002) and the community (see that 2002-2002-2002-2002-2002-2002-2002-200
PGES	AGG RANF:	. SS-MM	Lifecycle ex-ante kithh net	SS: Snergy Savings	Menic	trop per around and through execute plan-enhalodoring as electric, and manufacturing (press series for multituding accounts) (house, common area, and mader matered accounts)	L'Incycle ex-ante XWh net - Master Meterod	Sensidential Sector – Multi- turally (RMS)	2016	N/A	SA,CA.	N/A	N/A	N/A	2942118.321	N/A	M/A	N/A	N/OL	N/A	health, and of the region the walls of this, from School HAST file and School Hast real management common and the state and real residence of this heart of directly, and an available to the state of the state of the state of directly, and are unable to directly and the state of the state of directly, and are	moment atoms. Field consoled that American Community is soney and the 2005-2010 Field and a field consoled that American Community is soney and the 2005-2010 Field and a field consoled the communities that the price of the communities and the co
PGRS	AGG RAWF:	. SS-MM	Lifecycle ex-ante Therm gross	SS: Snergy Savings	Metric	First per should and Broycle exists glor-anhabotic gar, electric, and an electric grown as the stage through customer (huser, cushnics area, and mader indexed account).	L'Magaile assante Therm gross - Mantier Meterod	Sentidential Sector – Multi- turally (RMG)	2016	N/A	SA/CA.	N/A.	N/A	N/A	976587.4129	N/A	N/A	N/A	N/OL	N ₀ (X	PAGES, couldn't to report this wall or, after close declared PAGE for not financiare, and the couldn't report to go to the track and or consisted at 15% bear of declared, and or couldn't all declared at 15% bear of declared, and or couldn't be declared at 15% bear of declared, and or couldn't be declared at 15% bear of declared, and or couldn't be declared at 15% bear of declared at 15%	moment atoms. Field consoled that American Community is soney and the 2005-2012 Field and a field control of the 2005-2012 Field and a field
PGRE	AGB RANF:	. SS-MM	Lifecycle ex-ante Therm net	SS: Snergy Sovings	Metric	First pers around and Brogole exacts (pro-exclusion) gas, electric, and committeeing (pers and risk for walkfallen) customers (b-set), commissions, and resident exclusions (b-set), commissions, and resident exclusions.	Lifecycle awards Therm rat - Macter Messeed	Sentidential Sector – Multi- femily (RMG)	2016	N/A	M/M	N/A	N/A	N/A	610272.2323	N/A	N/A	N/A	N _c Os.	N/A	MALE value to report the order of the other local MALE to and teatments MALE value to report the order of the other local MALE to and teatments and to delivery prompt for the title and order of the order of the other order. The other order of the other order or	motived states. Field consoled the American Continuously is may see this 2000-2000 Field and a field consoled the American Continuously is may see that 2000-2000 Field and a field continuously of american continuously and a management of underly again upon the season belongs as the continuous and underly and product of the continuous and and american the season of the continuous and analysis and the continuous and analysis and the continuous and analysis and the continuous analysis and analysis analysis and analysis and analysis and analysis and analysis analysis and analysis and analysis and analysis and analysis analysis analysis analysis analysis and analysis analysis analysis analysis and analysis analysis analysis analysis analysis and analysis an

Att	achmen	t 4, Tabl	c 19	
PΑ	Name	Parific (los sed	Electric

Attachment 4, PA Name: Pac Budget Year: 2	iable 19 lic Gas and 121	Electric									Baseline			A	ictual			Short Term Target				٦	
index	A AZAI	ATA Page Order	Method Code	Units of deasurement	Metric Type	Metric/ Indicator	/ or Business Plan Att A Description	Metric	Sector	Year	Numerator	Decominator	2016	2017	2018	2019	2018	2019	2020	Mid Term Target (2003-0028) Consulative	Long Term Target (2038-2020) Cumulative	Methodology Key Definitions	Proxy Explanation FLAG
102 F	SEC AC	03 RMF1	S-CA Fin	t year annual VW gross	SS: Energy Savings	Metric	First year annual and lifecycle on onto [pre-evaluation] gas, elector, use of demand savings [gross and not] for multifamily catomers (in-unit, cammon avea, and master metered account).	First year annual KW gross - Common Area	Recidential Sector – Multi- thenity (SMF)	2016	N/A	N/A	N/A	N/A	N/A	65.55391365	N/A	N/A	N/A	N/A	N/A	Held is not not support this medical at this time because Held is not become held to an ablationally record to the support the medical at the support of the beautiful part of medical to directly access to the support of the beautiful part of medical to directly access to the support of the beautiful part of medical accessing a pump for the beautiful part of medical accessing a pump for medical accessing medical accessing a pump for medical accessing medical accessi	PASE annexed the American Community Survey and the 2010-2012 PASE and a LOS Additionally large (Solicine) Inteller (2009 and (2010) PASE and a 60 to 40 characteristics Society in an artismyst to identify ways to split the mail- terior split and the split of the community of the split of the split of the split of split of the split of split of the split of deleter (100 to 100
102 F	SAS AG	03 856F1	SI-CA First	t year annual KW net	St: Knergy Savings	Metric	Fact year annual and iffrequire in with join evaluation) gas, effects, as demand carego (gave and red for multibook) quantum of provide, connects area, and master inversed accounts)	First year annual kill rest - Common Area	Portification Sector — Multi- turnity (RMS)	2016	N/A	M/A	N/A	N/A	N/A	46,30816061	N/A	N/A	N/A	N/A	N ₀ /A	NASE is under the report this centur of this time because MASE has not historisely required regimen distribute has been dear deepend at this heart of deadle, and was consider to contribute pumping for the thing.	and all the transport of the control
104 F	SEC AC	03 Shafi	s-ca F	nt year annual kitth gross	St: Snergy Savings	Metric	First year around and lifesycle on one (pre-evaluation) gas, electric, and electric demand saving upon under any fire multitables continues (provide, assessment) when continues are continued as a continue of the continues of th	Eint year annual KWh gooss - Common Area	Recidential Sector – Multi- tioniby (RAGT)	2016	N/A	Mor	N/A	N/A	N/A	7040.893188	N/A	N,(A	N/A	N/St.	N ₀ /A	MALEs, and with support this moder at this close because MALE has not becoming under the control property for the close under the control property for the Close modern control property for the Close	wement date. All cannot dell memorary Community Survey and the 2000-2010 PAGE and CASE cannot dell receive Servey and the 2000-2010 PAGE and CASE
105 8	SEC AC	03 Shefi	S-CA F	rst year annual XMh net	St. Snergy Savings	Messic	First pair annual and filterprise arms (pre-evaluation) gas, electric, we demand taking (pers and end) for multiformity customers (in-sect, ownered arms, and master instead accounts).	First year annual ENN net - Common Avea	Recidential Sector — Multi- formity (RAdS)	2016	N/A	MA	N/A	N/A.	No.Co.	20061.62299	N/A	N/A	N/A	N/OL	M ₂ /A	Held is usually to apport this ment or this time because Held fit as only becoming invasive purpose than the tracked and operated at this world of benty, and can extract the country for the fitting.	PAGE constant for American Community Survey and the 2015-2012 PAGE and CSS Matthership (see PAGE COMPART AND
106 P	SEC AC	Ol RMF1	S-CA F	nt year annual Therm gross	St: Energy Savings	Metric	Fact year around and fifting in a settle (on evaluation) gas, effects, as demand carried (gas, and made in evaluation) quantities (gas, and made interest accounts).	First year annual Thems gross - Common Area	Bertidential Sector — Multi- benily (BMS)	2016	N/A	McA	N/A	N/A	N/A	45787.37488	N/A	N/A	N/A	N/A	N ₀ /A	NGES is couldn't request this condit of this time belower FGES to an in historically required program distributed to Market and reported at this load of admit, and an exame to country proper for taking.	Medien as study of the multi-color) agrees we wait to height 4 sprace historical method for the multi-color and process and the multi-color and method for the multi-color and the multi-color and the multi-color and public color and the multi-color and the multi-color and the multi- diat students (see price public color public color and testing and to spit the multi- diated to the multi-color and testing and testing and to spit the multi- section of the multi-color and the multi-color and the multi- diated the purposition and the multi-color and the multi-color and states the purposition and the multi-color and the multi-color and states the purposition and the multi-color and the multi-color and states the purposition and the multi-color and the multi- diated and the state of the multi-color and the multi-color and states and the state of the multi-color and states and the states and the states and the states and the states and states and the states and the states and the states and the states and states are the states and the states and the states are states and states are the states and the states are states and states are the states are states and the states are states and states are the states are states and the states are states are states are states are the states are states are states are states are the states are states are the states are states are states are the stat
107 F	SEC AC	OQ Shefi	s-ca F	nt year annual Therm net	St: Energy Savings	Mesic	Fast per annul and filterple in ante (pre-valuation) gas, electic, per demand saving (gas and red) for multipolity contenses (provid, concess are, and matter interest accounts)	first year annual Therm set - Constson Area	Recidential Sector — Multi- family (RAAF)	2016	N/A	M/A	N/A	N/A	N/A	26806-23864	N/A	N/A	N/A	N/A	No. Fish	Hild is worth to suggest this works of this form because FRAM has not historized, where the purpose does not be to be based and outpeaked all this work of details, and was recommended by the based of the contract and contract and the contract and the contract of the contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contract and contr	where an indight the each field region and with a figure to a product the product of the contract of the contr
100k F	ibs as	O3 Shafi	s-ca site	cycle ex-ante kW	St: Greegy Savings	Metric	First year aroulf and lifespine as any lipse evaluation) gas, electric, year demand saving larger and real for mail-banks casesome (a-vall), advances area, and marker ordered structural)	Lifecycle ex-aces ISM gross - Common Area	Residential Sector — Multi- turnity (RMAS)	2016	N/A	N/A	N/A.	N/A	NA	42.92145423	N/A	N/CA	N/A	N/OL	N _A /A	MALES, would not require this reader of this core fraction MALES and historically would be all the second of this core fraction of MALES and historically would be all develop a years for the Edge.	Interest state. **Add canadastic backwards Community favory and the 2010-2010 Folds and folds are controlled to the control of Community favory and the 2010-2010 Folds and other folds communities folds; and a minimply to interest, see part of the multi- state of Communication folds; as a minimply to interest, see particle and an advantage of the multi- state of Folds and control of the contro
109 F	SAC AG	OB RMF1	S-CA UN	cycle eo-onte kW net	S2: Snergy Savings	Metric	For the annual and filterals in a rain (pre-solutative) gas, decision, except, except ground end for multituding cultimate (assume present as and mader metered account).	Lifecycle av anta kill out - Common Area	Recidential Sector — Multi- family (RAAF)	2016	N/A	MA	N/A.	N/A	NA	68.15586517	NGA	N/SA	N/A	N/OL	Notes	which is widen the regard to a make up of this are because FGEA to an interesting, regarded regarder did to the third and entire greated at 500 wind of detail, and was consider to provide to the trigg.	memoral data. **Call assessed and the American Community Survey and the 2000-2010 PAGE and USE ASSESSED AND ASSESSED AS
110 F	SEC AC	O3 SheFi	S-CA E	fecycle ex-ante kinth gross	St. Energy Savings	Metric	fort per around and disequirum eras (per exclusival gas, electric, as encounted sweep (general first for exclusival gasteries) (finalls, common area, and mader metered account).	Lifecycle av anta KRR gross - Common Area	Rentidential Sector — Multi- formily (RAAF)	2016	N/A	MA	N/A.	N/A	N ₀ (A	-1828292.902	N/A	N/A	N/A	N _i (sk	No.CA	to the second of	intensis state. **Add canalisation to sensistant Community Survey and the 2000-2010 Field and Field canalisation to sensistant Community studently state to good the canalisation of More of Communication Holley due no minimary to site of the canalisation of the cana
111 F	SEC AC	03 SheF1	so.	flecycle on acte kitch net	St: Snergy Savings	Metric	First year around and lifesycle on one (pre-evaluation) gas, electric, and electric plant along (green and regifter multitaries) continues (provide, asserted and, and exacter inclined accounts).	Lifecycle ew ante With net - Common Avea	Recidential Sector – Multi- tionally (RAGT)	2016	N/A	McA	N/A	N/A	N/A	-867969.6053	N/A	N/A	N/A	N/St.	N ₀ /A	MALES, and the support this modes at this close because MALEs and becoming the support that modes at the composition of the support and the support of the	released area. Field cannick and execution Community Survey and the 2005-2013 CMSC and and community of the
112 8	SAC 240	03 SheF1	90A F	fecycle ex-ante Therm gross	St: Snergy Savings	Metric	Fast year annual and filterplie no some (pre-evaluative) gas, effects, as demand covering (green and red) for multitability customers (plu-sold, customers area, and master memoral accounts).	Lifecycle awards Therm grass - Common Avez	Bertidential Sector — Multi- tumby (RAAT)	2016	N/A	SQ.CA.	N/A	N/A	n ₀ (A	827216.4813	N/A	N/A	N/A	N/OL	NA	Add it would be suggest this work of all this lone below PASA for an Institution (maked pumping this first this trade and ampointed at this load of adds, and we where to worthly pumping this filling.	with middle of the same general extension to a solid, catentia, was, as in terminal or CAS, catential the same claim solid, page and page and the catential catentia
112 6	SEC AC	03 RMF1	SCA E	flecycle so ante Therm net	St: Knergy Savings	Metric	Fort per annual and Mergine was the per-evaluative/gap, electric, and electric demand casing ligits and red; for multiflicible, continues (sevolt, convenies are, and materimeteral accounts).	Ulecycle as ante Therm set - Common Ansa	Recidential Sector — Multi- family (RAAT)	2016	N/A	M/A	N/A	N/A	N/A	472557.1262	N/A	N/A	N/A	N _i (sk	No.	MALEs and a transport this medical at this state because MALEs as and homically and the state of the state o	memoral state. PAGE Constanted this American Community Survey and the 2010-2012 PAGE and CCS Mathematic Navige (Tellinon) Selected Program (MISTER) Process Calculation and About AC Standardisco Socialy is a mattern of selecting ways to self for enail- bility saving data by to visit, common seas, and makes creamed. Movemen, and the selection of
114 F	ides Ac	03 RMF2	6	MTC02eq	GHS	Metric	Greenhouse gasses (MT COZinq) Net With savings, reported on an annu- sharis	of CO2-equivalent of net annual kitch savings	Residential Sector – Multi- Senily (RME)	2016	N/A	N/A	13,452	11,957	3,194	2,836	12,649	16,199	16,823	18,755	20,741	Calculated using CCT, and reported in the MF segment by dwelling type. Includes CCD but not MCE and RM100 as these are not GME equivalents.	madition to requiring various to order the internation receiving forward, PGEC believes a standy of the madi-finally regioner wand to the high to provide interiorizal information on the usings attributable to in-unit, common, area, and matter- mentered stan.

	and a section.	c													Ac		1				1		1		
ent 4, Table 19 e: Pacific Gas a Year: 2021 PA A	ZA Fage Or	NEA Metho	od Units of a Measureme	t Metric Type	Met Indic	ric/ ator	Business Plan Att A Description		Metric	Sector	Year	Baseline	Denominator	2016	Ac 2017	2018	2019	2018	Short Term Target	2020	Mid Term Target (2003-0028) Consulative	Long Term Target (2036-2020) Cumulative	Methodology	Key Definitions	Proxy Explanation
PGES	AOI RI	MAF2 031	a Lifecycle NET	Di: Depth of interve per building		oric Energy raving	gs (kitch, low, therms) per project (building)	Lifec	cycle as anna KW net per project (building)	Residential Sector – Multi- tumily (RMF)	2016	14,491	123,307	1.83	0	0.26	0.02	0.12	0.12	0.12	0.13	0.18	Numerator: Total savings claimed for MF retrofit projects. Denominator: Number of buildings that have been retrofited	Nay befoldons Sovings do not include scaling artificial season and change cannot be sense from the season of the sense in those of projects. "Seeings under "a stigle change language and see of the season of the	Since PGES does not require building information to be collected and reported from vendors, PGES used as estimate of 6.02 buildings per property from the 2010-2012 PGES and SCS Nutritionary Energy Efficiency belows Program (MSTES) PROCES Evaluation and Market Chrasteriosch Sudy for fast Region (MSTES)
PGES	AOL BS	inera Dau	a Lifecycle NET is	Ol: Depth of interve per building	ntions Me	oic Snergy raving	gs (KMA, low, therms) per project (building)	Lifec	cycle ex-ante kitch net per project (building)	Residential Sector – Multi- family (RMF)	2016	20,426,499	123,807	1.84	764	405.17	136.36	170	173	175	180	186	Numerator: Total soviegs claimed for MF nerolls projects Decontrador: Number of haddings that have been renolitied	MORE were continue to the control of	Size PGES does not require building information to be collected and reported from weekers, PGES used as estimate of GES buildings per properly from the 2010-2018 PGES and GES with the PGES process (PedEs and GES with Chiese) Size of PGES process for failthoom in State of Chiesens whether PGES places for failthoom fails after Chiesens deviced by July Into Milling. Moving Shranch, PGES will collect and report project data per building.
PGRE	AOI RS	MAFE DSU	a Effecycle NET To	Oil: Depth of interventions. per building	ntions Me	oric Energy raving	gs (KWh, kw, therms) per project (building)	Lifec	cycle av ante Therm net per project (building	Residential Sector – Multi- temby (RMF)	2016	1,100,217	123,307	1.58	95	60.00	иΩ	92	9.3	9.4	9.7	10.0	Numerator: Total savings claimed for MF retrofit projects Decominator: Number of buildings that have been reprofitsed	Middle ameniate seasons, our creates the interessable J. 6.4 was not one seasoning discount coloring control and consider performed for seasoning the coloring control and coloring theory of the coloring the	Cloca PGEE does nor require building information to be collected and reported from verdices, PGEE used an extranse of GEE buildings per property from the 2005-0021 PGEE and CEE Multimary largest priferings release types (MESSE) Process Sufvisations and Market Characterisation Study for this filling. Moving Enrusist, PGEE will collect and report project data per building.
PGRE	AOI RS	issera D4	Lifecycle NET	W Dt: Depth of interve per property	ntions Me	stic Average savis	ngs per partidpaet Savings per project (propert	Ty) Lifec	cycle av ante KW net per project (property)	Residential Sector – Multi- family (RMF)	2016	14,491	20,517	1.84	a	1.42	0.10	0.73	0.74	0.75	0.77	0.79	Numerator - Total savings claimed for MF retrolls projects Denominator - Number of participating properties	Middle process to select on extract to increase by 1.6% sets once see being do not end codes once performed for select density continues receiving laters do not process, as this metric in bound on peopless. Charges swings* * Libergion NoT swings. Based on conversations with CD and the other PAA, PCAS agrees to assume that project a property for the fileg.	
PGBS	AGA PA	iseF2 D4	Lifecycle NET is	Wh. Depth of intervention per property	ntions Me	stic Average savis	ngs per partidpaet Savings per project (propert	Ty) Lifec	cycle se-ante KWh net per project (property)	Residential Sector – Multi- family (RMF)	2016	20,426,699	20,517	1.84	4,474	2425.07	759.43	1924	2038	1053	1082	1121	Numerator - Total savings claimed for MF restrict projects Genominator - Number of participating properties	ACM construction control or contr	
PGRE	AOI RI	MAF2 D4	i ušecycie NET Th	Di: Depth of interve per property	ntions Me	tric Average savir	ngs per partisipant Savings per project (propert	Tyl) Lifec (proj	cycle awante Therm net per project oppeny)	Residential Sector – Multi- family (RMF)	2016	1,100,217	20,517	1.58	568	82.038	129.96	55	54	57	58	60	Numerator: Total savings claimed for MF netrolit projects. Denominator: Number of participating properties	looking the first Holder knowing settlements in mile density customers mension former Energy Regular to the metric is floraced on projects. "Energy savings" is Chlocycle NET casings found to communificate with CD and the other Pala, PGER agrees to session that engine is properly for this Elling. MEER metric subsequery or consistent in consequence is a consequence of the MEER metric subsequence or consistent in consequence.	
PGBS	AO4 RES	issF2 DS	Lifecycle NST	DS: Depth of Interve Per square foo	ations: Me	nic Energy swing	go (ANA), low, theoresi, per equane foce	Lifec	nycle en ante XIII rest, per square foot	Residential Sector — Multi- family (RMF)	2016	18,653	9,419,740	112568	۰	0.0004	dades	0.0020	0.0025	0.0026	0.0029	0.0032	namemore. Task left uniter. Sourcement of the author of unique bid provides and assured the of periodystee enabling and the average square floating of Md assured.	her Ex-"Contrg salong" + libeyde NET taxings. Nodes salveg mithoded NET salones for insine Cong Squarts, as the nexts offers to exercif let' average per quart fact, healed of proposi-	AGE date on comments guident square freching dated from multi-fielding program protriogent, and entitles the evalence quares from legal per articipant in the USA square field. Specificity, CASS and the 2010-202 MISTS Process Securities and the plant of LASSEA and the comment of the comme
PGBS	AOI RI	MAF2 DS	Lifecycle NST is	05: Depth of interve Per square foo	ntions: Mel	olic - Energy saving	go (NIM), lea, thermal) per aquarer foot	Lifec	sycle en ante KWh net per oquare foot	Particle retail Sector — Multi- form by (SMAG)	2016	45,220,154	9,419,740	10.28	12	Ω	22	5.0	7.6	7.8	8.0	9.9	Somework field Mit solegy. Somework field with solegy of Mit period and assure the diperiological solegies of Mit solected by the energy upon being of MI solected.	for Ell "Sweg saling" i Blogde MT saling. Notice saling mithed bit MT salings. Notice saling mithed bit of salinem for insist Energy Reports, at this motic seles is sented bit outrop jury speed fault, hinted all propris	ASS, the set of court plants quare broady and the period being and the period of the p
PGBS	AOI RI	94F2 05	idecycle NET Th	OS: Depth of interve Per square for	ntions: Me	olic Snergy swing	ge (Fath), Ive., themself per aquare face	Lifec	cycle en ante Therm net per square foot	Ansidential Sector – Multi- formity (RAAT)	2016	1,815,288	9,419,740	11.05		0.10	024	0.4	0.5	0.5	0.8	10	Numeror: Total Mit solege. Concentrator: Total market of single Mit precise and except the of perforgant inheritals by the average upon burget of Mit accounts.	For CD "Cong casing" i Blocket NT contigs. Notice coding mithod to MF continent for insere Georgi Reports, at this motic offers to control MF observe Georgian Stad, noticed of projects.	ACL flow out worsely, allowing special being region from model fielding purpose entireation, and entire flow to every equivalent legal participants (see Editional Section 1997), and the same equivalent legal settlement of the section of the sect
PGBS	AOI BI	isafa Ps 4	Percent.	P1: Penetration of efficiency programs eligible market: Pen Participation	energy in the Met	Percent of pa property)	rticipation relative to eligible population (by un	init, and Pero pop.	cent of participation whatler to eligible nalizion by property	Residential Sector – Multi- family (RMS)	2016	20,517	2,191,272	0.94%	0	0.276	0.28%	0.95%	095N	0.95%	0.98%	1.02%	numeration Number of Assessment MF projects. December of State Australia of Assessment and promise Bib in the MF segment	Persignals is defined as the first instance of participation. MSLE assumes project reparticipating property for this completion titing.	AGEA has not interestable visible and requested the centre of orders progress, recently disrupally progress. First Section 1992, 19
PGBE	AOI RS	isefe Ps-L	U Percent	P1: Penetration of efficiency programs eligible market: Pen Participation	nergy in the ent of Me	Percent of pa property)	eticipation relative to eligible population (by un	anit, and Pero popu	cent of participation relative to eligible sulation by unit	Residential Sector – Multi- family (RMF)	2016	10,340	2,191,372	0.47%	0	2.07%	0.19%	0.48%	0.48%	0.48%	0.50%	0.52%	Numerator: Number of downstream participating MF units (unique account and premise ibn) Denominator: Total number of unique account and premise Ds in the MF segment		PGET has not historically tradiced and reported the number of unique units treated through programs that work with MC customers. PGEE will track this information moving forward to report on this restrict, for each, we believe the number of unique premise and account the provides the closest estimate of the number of units.
PGBE	AOI RI	italf4 P2	. Percent	P2: Penetration of efficiency programs of square fiet of el- graphic field of square fiet of el- population	nergy terms Met	oic Percent of sq	ywre feet of eligible pagulation participating (br	Py property) Parsi	rcent of square fixed of eligible population Scisparing (by property)	Particleratial Sector — Multi- formily (RMAF)	2016	9,415,257	1,447,565,200	13.996	a	2.07%	0.29%	0.66%	0.66%	0.66%	0.68%	0.72%	Numerator Square Mostage of participating left customers junique account and juniciae SQL Beautomator Square Nutages of all slightle accounts.		Addition on convert policy to see the stops of the convertibility
PGRE	AGI RI	IMF4 P3: DI	MC Percent	P3: Penetration of a efficiency programs eligible market -	nergy in the Me	tric Percent of pa	rticipation in disadvantaged communities	Pero	oent of participation in disadvantaged	Residential Sector – Multi- family (RMF)	2016	3,527	268,284	131%	0	0.00%	0.00%	134%	134%	1.34%	1.38%	1.6%	Numerator: Number of participants in disadvantaged communities (unique account and premine IDs) Decominator: Total number of unique account and premine IDs in disadvantaged	DAC customers defined in accordance with 0.18-05-041	
-	-	isera pa		eligible market - Pit: Penetration of efficiency programs HTR market	nergy in the Me	tric Percent of pa	rticipation by customers defined as "hand-to-re	reach" Pers	cent of participation by customers defined :	Residential Sector – Multi- family (RMF)	2016	1,875	172,021	1.09%	0	0.00%	0.00%	1.11%	111%	1.11%	1.54%	1.20%	Numerator: Number of HTR MF participants (unique account and premise (Ds.) Denominator: Total number of MF HTR customers (unique account and premise (Ds.)	HTR customers defined in accordance with 0.18-05-041.	Since PG&E does not collect language data, this metric identifies residential customers as HTRI of they meet the geography and income and geography and housing type-criteria.
		mars es		MS Rendmarks MS Rendmarks Penetrasion			end-marked multi-family properties relative to t		overt of benchmarked multi-family propertie eive to the eligible population	Sentidential Sector – Multi- family (BMF)	2016	503	2,195,272	12.70%	0	0.16%	0.25%	0.02%	coex	0.05%	0.07%	0.12%	Disj. Name your Total number of multibenity properties benchmarked on Furthio-Monager using PASET yourst. Doministers: Total number of usings account and generals Dis in PASET's service area.		FAST consequent to sportly the southern full of properties from the southern consequence of the southern full of the southern full of the southern feether for forces in culturation, an Add 20 presentation from the Collisions Seege, for the number of miss Seeding Acceptant and the southern feether for the southern for the first the number of miss Seeding Acceptant and presents the value of the southern for the first feether of miss Seeding Acceptant and presents the value and any properties on the figure. The southern for depending the properties for the southern for miss southern for feether for the properties for the southern of miss of the southern for feether for the properties for the southern of miss of the southern for feether for feether for feethern
PGES	AOI RI	merc ac	Percent	Benchmarking of Properties	NTR Med	tric Percent of be	enchmarking by properties defined as "hard-to-	-reach" Peno	cent of benchmarking by properties defined hard-to-reach"	Residential Sector – Multi- family (RMF)	2016	Ω	172,021	49.21N	0	0.06%	0.28%	0.04%	0.09%	0.06%	0.06%	0.08%	Numerator-Total number of multitamily WTR properties benchmarked via Portfall obstager using PGER's portal. Decominators Total number of unique WTR AFF account and premise IDs in PGER's service area.	This metric captures properties benchmarked within the calendar year	participating in salicitations. Illicone PAGE does not collect language data, this metric identifies multifamily customer that herchanshed as ARIE if they meet the geography and olicitate and geography and olicitate and properties of the sumber of multi-family units, buildings, and properties in this service ware send enable more consistent and accurate reporting within energy, as with provides units of terms for the olicity and other services.
PGBS	AOI R	isere uc	PAC Levelized (S/kW)	Out per unit say	ed Me	Leveland cos and PAC)	t of energy efficiency per kWh, therm and kW (a	Juse both TRC PAC	Curvelland Cost (\$/kW)	Residential Sector – Multi- family (RMF)	2016	\$ 8,729,541	18,653	\$ 468.00	271	\$ 237.18	\$ 1,124.99	\$ 468.00	\$ 469.00	\$ 468.00	\$ 468.00	\$ 468.00	PAC cast per WWh or per thems or per KW is (PAC Cast x Sinstric Sametts/Total Benefits) Whocks Mr KWh or PAC Cast x Sax Sendits/Total Benefits, URsiçot hen thems or (PAC Cast x Sinstric Benefits/Total Benefits), URsiçot best WW respectively. The sending of the sending of the sending the sending of the	Levelland costs are reported by sector consistent with primary sector groupings in CDAKS PROGRAM specifications.	

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PΑ	Name	Parific (los sed	Electric

Product Prod		LC PAC LC TRC LC TRC	Usbits of fleasurements C Levelland Cost (gl/wan) C Levelland Cost (gl/marm) C Levelland Cost (gl/marm) C Levelland Cost (gl/wan) C Levelland Cost (gl/wan) E Levelland (gl/wan) E Levelland (gl/wan)	Metric Type Cost per unit sweed Cost per unit sweed	Metric/ Indicator Metric Metric Metric Metric	Levilloof case of energy efficiency per WAN, them and EW (see both TEC and EWC). Levilloof case of energy efficiency per WAN, them and EW (see both TEC and EWC).	Mestic PAC Leveland Cost (\$6'Wh) PAC Leveland Cost (\$6'Wh)	Sector Residential Sector - Multi- family (SMC) Residential Sector - Multi- family (SMC)	Vear 2016	Baseline Numerator \$ 8,729,541	Denominator 46,230,154	2006 2017 5 0.19	2018 0 \$ 0.11	2019 5 0.21	\$ 0.19	Short Term Target	2020 S 0.19	Mild Terror Target (2003-0008) La Consultative S 0.19 S	g Term Target (2038-2020) Cumulative	Methodology PAC cost per With or per thems or per WW is (PAC Cost is Kinetric Benefits/Total Benefits)Ultracycle (Net Kinetric Benefits)Ultracycle (Net Kinetric Benefits)Ultracycle (Net Kinetric Benefits)Ultracycle (Net Kinetric Pac Cost is Kinetric Benefits)Ultracycle (Net Kinetric Pac Cost is Kinetric Benefits)Ultracycle (Net Kinetric Benefi	Key Definitions Levelland costs are reported by sector consistent with primary sector groupings in CICARS PROCRAMA specifications.	Proxy Suplanation
13 PORE ANN 14 PORE ANN 15 POR	RANTG RANTG RANTG RANTG RANTG	LC PAC LC TRC LC TRC	C Levelland Cost (\$/pherm) C Levelland Cost (\$/pker) C Levelland Cost (\$/kwh) C Levelland Cost (\$/kwh)	Cost per unit saved Cost per unit saved Cost per unit saved Cost per unit saved	Metric Metric	and PAC) Levelland cost of energy efficiency per NVM, therm and NV (see both TRC and PAC)				\$ 8,729,541	46,330,154	\$ 0.19	0 \$ 0.11	\$ 0.21	\$ 0.19	\$ 0.19	\$ 0.19	s 0.19 S	0.1	PAC cost per twin or per them or per twi is (PAC Lost a leasethic Benefits) bits Benefits) bitscycle Net twish or (PAC Cost a Gas Benefits) fotal Benefits) bitscycle bet them or (PAC Cost a Electric Benefits) fotal Benefits) bitscycle Net twi	Levelized costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAM specifications.	
PGES AGE	RANTG RANTG RANTTI	LC THC	C LevelSand Cost (\$/kW) C LevelSand Cost (\$/kwh) C LevelSand Cost (\$/kwh)	Cost per unit saved Cost per unit saved Cost per unit saved	Metric	Levillael case of energy efficiency per Well, them and WP Jace both TSC year RACQ . Levillael case of energy efficiency per Well, them and WP Jace both TSC and RACQ .	PAC Levelized Cost (§/therm)	Recidential Sector – Multi- family (RMF)												respectively		
PGEE AGE PGEE AGE	RANTG RANTG RANTTI	LC TRC	C Levelized Cost (S/kssh) C Levelized Cost (S/therm)	Cost per unit saved Cost per unit saved		Levelland cost of energy efficiency per XWN, therm and XW (use both TRC and PAC)			2016	\$ 1,896,893	1,815,288	\$ 1.06	0 5 0.68	\$ 1.48	\$ 104	\$ 1.04	\$ 1.04	S 104 S	10	PAC cost per kWh or per thems or per kW is (PAC Cost is Shatric Benefits/Total Benefits)Ullecycle heit kWh or (PAC Cost is Gas Senetts/Total Benefits)Ullecycle Net thems or (PAC Cost is Electric Benefits/Total Benefits)Uffecycle Net VW respectively	Levelland costs are reported by sector consistent with primary sector groupings in CDARS PROGRAM specifications.	
PGES AGE	RawF71	LC TRC	C Levelized Cost (\$/therm)	Cost per unit saved	Metric		TRC Levelized Cost (\$/kW)	Residential Sector – Multi- family (RMF)	2016	\$ 8,922,425	18,653	\$ 478.34 63	6 S S44.44	\$ 1,369.19	\$ 478.34	\$ 478.34	\$ 478.34	\$ 47834 \$	678.3	TRC cost per kitth or per therm or per kW is (TRC Cost s Biestric Benefits/Total Benefits/Viloryche Net kith or (TRC Cost x Gast Benefits/Total Benefits/Liforyche Net kith or (TRC Cost x Gast Benefits/Total Benefits/Liforyche Net kW The abopted avoided cost methodology does not provide information to provide insensingful vilora but TRC or PMC Cost per kW.	Levelland costs are reported by sector consistent with primary sector groupings in CEDARS PROGRAMS specifications.	
PGES ADS I	RawF71	_	C Leveland Cost (S/therm) Stu			and PAC)	TRC Leveliaed Cost (5/kWh)	Residential Sector - Multi- tamily (RMF)	2016	\$ 8,922,425	46,330,154	\$ 0.19	0 \$ 0.17	\$ 0.26	\$ 0.29	\$ 0.29	\$ 0.19	5 0.19 5	0.1	THC cost per kikh or per therm or per kiki is (THC Cost x Shestric Generality/Total Jamesfles) Utbegde her kikih or (THC Cost x Cost Generality/Total Senerality/Litheycie her therm or (THC Cost x Shestric Senerality/Total Senerality/Litheycie Nes kiki	Levelized costs are reported by sector consistent with primary sector groupings in CXDARS PROGRAM specifications.	
		612	štu		Metric	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/therm)	Residential Sector – Multi- family (RMF)	2016	\$ 1,928,805	1,815,288	\$ 1.07	1 \$ 1.10	\$ 1.00	\$ 1.07	\$ 1.07	\$ 1.07	\$ 1.07 S	1.0	TRC cost per kitch or per therm or per kitch (TRC Cost x Slectric Secrefits/Total Resenfits)\Userycle Net kitch or (TRC Cost x Gas Secrefits/Total Secrefits)\Userycle Net therm or (TRC Cost x Slectric Secrefits/Total Sec	Levelized costs are reported by sector consistent with primary sector groupings in CSDARS PROGRAM specifications.	
PGBE ADA I	RMF7/			Energy intensity per MF uni	it Indicator		Average electric and gas usage per unit	Residential Sector – Multi- family (RMF)	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	N/A - Indicator	Net therm of Link. Lost a sectors wenersty losts wenersty, concycle net: xw Numerator: Total MF energy use from PGBS database (gas +electric) Denominator: Total union in MF segment		PGES will use unique premise and account IDs as a proxy for total units in the MF segment until a study provides more accurate information about the MF building
		m	ŝtu	Energy intensity per MF uni square floot	it Indicator	Average energy as in controls of multilately facilities; learning swap per space facts and adjusted	Average electic and gas usage per square for		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	N/A - Indicator	wanerzer fracht energ van fan Mild dedaninge e entrej fonomener fan kenner of hil van mulijelet by tre averge open fange wit van		Anna ha Malifa and sea sea. All of all our design promotes and assemble Da a prime for tract ordin in the MM (All of all our design promotes and assemble design and a second and a feed for the Malifa and All of All our design and a feed for the Malifa and All of Malifa and All our design and a feed for the Malifa and Mal
PGBS ADS	а	SI	kW	SE: Energy Savings	Metric	First year annual and Mergile evante (pre-evaluation) gas, electric, and demand swings (gress and net)	First year annual keergross	Commercial Sector (C)	2016	N/A	N/A	34,271 29,943	27,167	34,090	29,466	21,347	29,985	17,436	41,55	Baseline data is reported canolinest with primary sector groups in CGMAS. PROCEMM specification and signs with arthresements reported in 2014 Annual Baport. Targets were not using the 2018 Potential and Gaslet Study, consistent with CPUC adopted goals in 0.17-08-015.	None	Since the Potential Study does not distinguish guidals sector energy savings patential from commercial sector energy savings potential, PAEE analysed the ratio of savings potential to the potential Study data to distinguish between the two and applied that ratio to the Potential Study data to distinguish between the two This openents PAEE has estimated Study data to distinguish between the two This openents PAEE has estimated Study data to distinguish between the two targets will be updated based on the seas version of the Potential Study which distinguish but between commercial and palled scart energy saving potential.
PGBS AGS	а	Si	kW	S1: Energy Savings	Metric	First year annual and Mergrise evante (pre-evaluation) gas, electric, and demand swings (press and net)	First year annual loof net	Commercial Sector (C)	2016	N/A	N/A	25,531 20,289	20,048	27,010	20,467	21,913	20,023	26,180	29,12	Baseline data is reported catalistest with primary sector groups in CDASS. PROCESSM specification and aligns with arbinomental represent in 2014 Annual Report. Trepts were not using the 2018 Potential and Gasle Study, consistent with CPUC adopted goals in 0.17-09-015.	None	Since the Potential Study does not distinguish public sector energy saving patential from commercial enter energy saving potential, PAGE analysed the ratio of savings, potenties in the public sector or ratives to the a manual sector and applied that croid to the Potential Soudy data to distinguish between the two This repenser, PAGE that extrained from energy saving potential, Saving saving sector of the sector of the PAGE sector of the PAGE sector of the saving sector of the sector of the PAGE sector of the PAGE sector of the saving sector of the sector of the PAGE sector of the PAGE sector of the saving sector of the sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of the PAGE sector of the PAGE sector of the saving sector of saving sector of the saving sector of the saving sector of saving saving saving sector saving saving saving saving sector saving sav
PGBS A25	а	S1	kWh	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-exclusion) gas, electric, and demand swings (gross and net)	First year annual 100% gross	Commercial Sector (C)	2016	N/A	NA	200,500,356 166,043,583	149,196,886	263,651,543	153,423,399	162,781,870	156,207,078	192,712,022	213,174,60	Baseline data is reported consistent with primary sector groups in CGDARS. BANGGAMA specification and sliges with achievements reported in 2014 Annual Baport. Torgets were set using the 2018 Potential and Gaals Study, consistent with CPUC-adopted goals in 0.17-09-025.	None	Since the Peteretal Study does not destinguish public sector energy savings patential from commercial soctor energy savings potential, PAEE analysed the ratio of savings potenties in the public controllers to the commercial sector and applied that ratio to the Interest Tacky data to distinguish between the tract the representation of the sector of the public sector energy saving potential. Gaving the representation of the sector of the sector energy savings potential. Gaving distinguishes between commercial and public sector energy savings potential.
PGBS A05	а	51	kWh	S1: Energy Savings	Metric	First year annual and lifecycle exemts (pre-evaluation) gas, electric, and demand savings (gross and net)	First year annual kilth net	Commercial Sector (C)	2016	N/A	NA	164,622,910 110,281,086	110,948,791	129,596,796	108,633,838	116,126,360	111,005,104	128,279,541	153,068,91	Baseline data is reported consistent with primary sector groups in CCDASS 39 MOGRAM specification and sliges with activements reported in 2014 Annual Bayert. Targets were set using the 2018 Potential and Goals Study, consistent will CPUC-adopted goals in 0.17-09-015.	None	Since the Peteretal Study does not distinguish guidic sector energy savings paternial from commercial sector energy savings potential, PAGE analysed the color of unalings, Automatern it has public sector relative to the cameroid sector and applied that croids to the Potential Study data to distinguish between the loss. The paternial sector of the Commercial Study data to distinguish between the loss commercial sector of the Commercial Study data to distinguish between the loss trangent, will be unplicated based on the new sector of the Protestial Study which, distinguishes between commercial and public sector energy savings paternial.
PGBS A05	а	\$1	Them	SS: Energy Savings	Metric	First year annual and lifecycle ex onto [pre-exclusion] gas, electric, and demand savings (gross and net)	First year annual Therm gross	Commercial Sector (C)	2016	N/A	N/A	4,145,597 6,264,167	4,649,260	2,278,050	2,576,502	2,967,266	2,769,529	3,664,601	4,045,12	Baseline data is reported consistent with primary sector groups in GCDARS 29 PAGGRAM specification and aligns with achievements reported in 2014 Annual Report. Turgets were set using the 2018 Potential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-015.	None	Gince the Patential Study does not distinguish guidat sector energy savings patential from commercial soctor energy savings patential. PAEE analysed the ratio of unique, patentiem on its public sector rations to the amended sector and applied that critical to the Potential Study district distinguish between the two- tral separated patentials. The sector of the Potential Study and the Study sector of the Study Study Study Study Study Study Study Study Study Study Study Study Study Study Study S
PGRS A05	а	Si	Them	S1: Energy Savings	Metric	First year annual and lifecycle as ante [pre-evaluation] gas, electric, and demand savings (gross and net)	First year annual Therm net	Commercial Sector (C)	2016	N/A	N/A	3,013,584 4,008,276	3,065,209	2,194,589	2,128,205	2,417,300	2,309,165	3,043,834	3,401,48	Buseline data is reported consistent with primary sector groups in CGDARS. 200GGMM specification and silgre with activements reported in 2016 Annual Report. Turgets were set using the 2018 Potential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-015.	None	Since the Peterdal Study does not distinguish public sector energy savings paternial from commercial softer energy savings potential, PAEE analysed the ratio of savings, potenties in the public soor relative to the energial sector and applied that croid to the Potential Souly dists to distinguish between the tool. This opposets, PAEE that estimate of these energy saving potential. Saving stargets will be updated based on the seat events of the Potential Study with distinguishts between commercial an public sector energy saving potential.
PGBE A05	а	\$1	kW	SS: Energy Savings	Metric	First year annual and lifecycle as ante [pre-evaluation] gas, electric, and demand savings (gross and net)	lifecycle se-ante 1000 grass.	Commercial Sector (C)	2016	N/A	N/A	368,217 307,924	298,180	377,692	315,604	225,750	310,646	400,569	446,12	Baseline data is reported casolinest with primary sector groups in GCDARS parallel processing and siliges with addressments reported in 2014 Annual Report. Torgets were set using the 2018 Potential and Goals Snady, consistent with CPUC-adopted goals in 0.17-09-015.	None	Since the Patential Study does not distinguish public sector energy savings patential from commercial sector energy savings potential, PAEE analysed the ratio of avaings calcument on it to public sector ratiolars to the commercial sector and applied that crais to the Potential Souly data to distinguish between the two from opposition PAEC that estimated Entire energy savings patential. Savings target with to updated based on the sect version of the Potential Study which distinguish the threes commercial and public sector energy savings partners.
PGBS A05	а	Si	kW	S1: Energy Savings	Metric	First year annual and lifecycle as ante [pre-evaluation] gas, electric, and demand swings (gress and net)	lifecycle se-ante 100° net	Commercial Sector (C)	2016	N/A	N/A	277,526 211,135	225,062	303,287	235,117	250,125	231,276	200,711	332,35	Buseline data is reported consistent with primary sector groups in GCDARS. BMOGRAM specification and sliges with achievements represed in 2016 Annual Baport. Turgets were not using the 2018 Potential and Gaels Study, consistent with CPUC-adopted goals in 0.17-09-015.	None	Since the Peterstall Study does not distinguish public sector energy savings paternial from commercial sector energy savings paternial. PAEE analysed the ratio of unique paternear in the public cost relative to the commercial sector and applied that croid to the Potential Study data to distinguish thereon the text and public from the Control of the Control of the Potential Study could suppress the Control of the Potential Study data to distinguish the several to target with the updated based on the size energic unique paternial. Avoing target, with the updated based on the size energic unique paternial.
PGBS A05	а	Si	kWh	S1: Energy Savings	Metric	First year annual and Mergile evante (pre-evaluation) gas, electric, and denand swings (press and net)	Lifecycle av ante killih gross	Commercial Sector (C)	2016	N/A	N/A	1,995,793,417 1,698,780,436	1,571,861,994	1,723,001,735	1,597,065,392	1,694,482,665	1,626,042,175	2,006,041,463	2,229,647,46	Baseline data is reported catelistest with primary sector groups in CGMAS. PAGGAMA specification and silges with achievements reported in 2014 Annual Report. Turgets were not using the 2018 Potential and Gaslet Study, consistent with CPUC-adopted goals in 0.17-08-025.	None	Since the Potential Study does not distinguish public sector energy savings patential from commercial extor energy savings patential. PAEE analysed the ratio of savings public energies the saving patential. PAEE analysed the ratio of savings public energies the saving public energial saving patential and puplish driver saving energies (and public energy savings patential. Saving targets will be updated based on the sace energies calling patential. Saving savings and savings are savings and savings and savings are savings and savings are savings and savings are savings and savings savi
PGBS A06	а	Si	kWh	S1: Energy Savings	Metric	First year annual and Megylie evante (pre-evaluation) gas, electric, and demand savings (press and net)	Megcle avante 100th net	Commercial Sector (C)	2016	N/A	N/A	1,514,668,618 1,120,115,279	1,192,740,528	1,294,579,281	1,211,904,489	1,285,827,843	1,233,893,002	1,522,248,661	1,683,884,45	Baselon data is reported consistent with primary sector groups in CEDASS BASCAGRAM specification and aligns with arbinerements represed in 2016 Annual Report. Turgets were not using the 2018 Potential and Gasle Study, consistent with CPUC adopted goals in 0.17-09-015.	None	Since the Potential Study does not distinguish public sector energy savings patential from commercial entor energy savings patential. PAEE analysed the ratio of savings potential in the public control ratio to the seminarial sector and applied that ratio to the Potential Study data to distinguish between the two land sector of the sector of the sector of the sector energy savings and between The sector of the sector of the sector energy savings and targets will be updated about on the sector energy savings posterial. Sector of the sector of the sector energy savings and sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of the sector of sector of sector sector of sector of sector of sector
PGBE A05	а	\$1	Them	S1: Energy Savings	Metric	First year annual and lifecycle ex ante (pre-exclusion) gas, electric, and demand savings (gross and net)	Lifecycle awards Therm gross	Commercial Sector (C)	2016	N/A	N/A	48,791,669 73,609,683	61,335,086	46,131,660	30,334,061	34,805,324	32,595,882	43,130,388	47,609,90	Buseline data is reported conscioner with primary sector groups in CDARS PMCGAMA togetherication and siliges with schlementers reported in 2016 Annual lagout. Targets were set using the 2018 Primertial and Grask Study, consistent with CPUC-adopted grask in 0.37-69-025.	None	Each the Patential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential. Fed. Savalused the ratio of casings distinguish in the public sector ratio for the size sector and and graphed that critics to the Patential Study data to distinguish between the least sector of the size of the Savaluse sector of the Savaluse sector of the sector of the Savaluse sector of the Savaluse sector of the Savaluse sector of the sector of the Savaluse sector of the Savaluse sector of the Savaluse sector of the distinguishes between commercial and public sector energy sevings potential.
PGBE A05	а	Si	Them	S1: Snergy Savings	Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and desiand caulings (gross and net)	Lifecycle as ante Therm net	Commercial Sector (C)	2016	N/A	N/A	34,617,563 45,435,530	29,440,876	29,203,871	22,033,413	25,289,492	23,684,115	21,228,436	34,5102,57	Baseline data is reported conductors with primary sector groups in CDARS PACKERAN specification and signs with achievements response in 2014 Annual Report. Targets were set using the 2018 Patential and Goals Scale, consistent will CVIC adapted goals in 0.37 GH-02S.	None	Since the Peterstial Study does not distinguish public sector energy savings patential from commercial sector energy savings potential, PAES analysed the ratio of durings addressment in the public sector service to the other mode sector to the public sector of the sector of the sector of the sector of the sector of the This represent in PAES to best extraors of fluore energy soulings potential. Savings segrets will be updated based on the next energy soulings potential. Savings segrets will be updated based on the next energy soulings potential. distinguishes between commercial and public sector energy savings potential.
PGBS AGS	CI	52	Percent	S2: Percent Overall Sections Savings	Metric Metric	First year annual and lifecycle evenne (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Percent first year annual KW gross	Commercial Sector (C)	2016	34,271	ນ,ຄາງຄຣ	106.60%	0 021%	0.29%	0.21%	0.22%	0.21%	0.27%	0.30%	Numerator in Mertic C1 Denominator in Total commercial usage from PG&E distabase Projected extract usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data jas presented in the "Mod" screacio from the TREE demonstration of Costs Consider.	None	
PGBE AGS	а	sz	Percent	S2: Percent Overall Sectors Savings	Metric Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kW net	Commercial Sector (C)	2016	25,531	13,673,625	98.39%	0 0.15%	022%	015%	0.16%	0.15%	0.29%	0.21%	Numerator + Metric C1 Decominator + Total commercial usage from PGRG distatase Projected executal usage derived by analyzing the florecasted annual percent change in energy use from CSS cales data jas presented in the "Mid" screacio from the 18 teneral and Costo Crusic.	None	
PGES AGS	C1	52	Percent	S2: Percent Overall Sectors Savings	Metric	First year annual and lifecycle ex-onse (pro-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh gross	Commercial Sector (C)	2016	190,599,356	24,292,560,394	101.82%	0 0.48%	053%	0.64%	0.47%	0.45%	0.56%	0.62%	Localize in terms; use nation can be seen used as presented in the "Most Science in section in the Minimization in Medicin Casi Countries Minimization in Medicin Casi Commercial usage from PG&E distribution Projected sectional usage derived by analyzing the forecasted annual percent change in energy use from CSC sales data (se presented in the "Med" scenario from the Medicin Promiser and Casia Science.	None	

Attachmer	t 4, Table 19	
PA Name	Parific Gas and Electric	

Attachmen PA Name: Reduct Ver	t 4, Table 19 Pacific Gas a ur: 2021	nd Electric									Baseline	-		Act				Short Term Target		1		1		
index	PA A1	AttA	Method r Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2019	2020	Mid Term Target (2023-0025) Cumulative	Long Term Target (2030-2020) Cumulative	Methodology	Key Definitions	Proxy Suplanation FLAG
154	PG&E	A05 C1	52	Percent	S2: Percent Overall Sectoral	Metric	First year annual and lifecycle ou ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent first year annual kWh net	Commercial Sector (C)	2016	144,632,910	24,292,560,394	89.42%	0	0.36%	0.42%	0.31%	0.34%	0.32%	0.40%	0.44%	Numerator + Metric C1 Decominator + Total commercial usage from PG&E database Note Note		
					Savings		demand savings (gross and net) as a percentage of overall sectoral usage															Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from the 3019 Binnantial and Chalc Gradui		
155	PGBS	A05 C1	52	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle on onte (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Secret first was around Therm error	Commercial Sector (C)	2016	4,145,597	1,103,845,444	11816%		0.49%	0.32%	0.23%	0276	0.25%	0.32%	0.37%	Numerator = Metric C1 Denominator = Total commercial usage from PG&E database		
					Savings		demand savings (gross and net) as a percentage of overall sectoral usage															Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS takes data jos presented in the "Mid" scenario from who 3618 Binnardial soci-Cooks Crustul		
156	PGBS	A05 C1	52	Percent	S2: Percent Overall Sectoral	Metric	First year annual and lifecycle evente (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Command State on control Vision and	Commenced Control Co.	2016	2.012.184	1,103,845,444	111.24%		0.32%	021%	0.19%	0.22%	0.21%	0.27%	0.21%	Sample memory services Las services as juspenseres in the root, scenario in the Namerosci i Mesic CS Decominator i Total commercial usage from PG&E database		
			_	Pacas	S2: Percent Overall Sectoral Savings	Metal.	demand savings (gross and net) as a percentage of overall sectoral usage	Prioritina par annua mannina	Commercial sector (C)		1,441,441											Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from who 2014 8 Immedial and Grade Grunds		
	PG&E	A05 C1	52	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-onte (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage.			2016	368,217	13,672,625	99.12%		2.27%	3.18%	2.28%	2.42%	2.25%	2.97%	2.22%	the 1616 Emercial and Great Greats' Numerator = Metric C1 Decominator = Total commercial usage from PG&E database		
25.7	Plake	A05 C1	32	Percent	Savings	Metric	demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante kW gross	Commercial Sector (C)	2016	860,217	12,672,625	99.12%	٠	22%	218%	2.28%	2446	2298	2.87%	228	Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from the 2016 Binnardial and Grain Study.	ie .	
	PGBS		52	Percent	S2: Percent Overall Sectoral		First year annual and lifecucie so onto (pro-evaluation) ass. electric, and	Percent lifecycle ex-ante kW net	Commercial Sector (C)	2016	277,525	13,673,625	89.88N		1.71%	2.56%	170%	1.82%	1.68%	2.16%	2.41%	she 1915 Bitmantial sort Goals Grustul Namerator + Metric C1 Denominator + Total commercial usage from PG&E database		
158	Plake	A05 C1	32	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle or onte (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Percent lifecycle ex-ante kW net	Commercial Sector (C)	2016	277,525	12,672,625	89.88%	٠	1.71%	234%	1.0%	1828	148%	2.36%	241%	Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from the 2018 Protectial and Goals Study)	ie .	
	PGBS		52		S2: Bernert Duardi Semoni	Metric	Circl was served and Manufa as area (non-positive) and alterial and			2016	1,995,793,417	34,292,560,394	99.63%		5.07%	5.62%	4.62%	4.90%	4.71%	5.81%	6.6%	Numerator = Metric C1 Denominator = Total commercial usage from PG&E database		
257	Pula			Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle or onte (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Percent lifecycle ex-ante kWh gross	Commercial Sector (C)	2028	2,000,700,017	1010,000,000	*****		2072	1411	4424		4.714	****	Lux	Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CGS sales data (as presented in the "Mid" scenario from the 2018 Peterbal and Goals (Study)	ie .	
400	PG&E		52	Percent	S2: Percent Overall Sectoral	Metric	First year annual and lifecucie so onto (pro-evaluation) ass. electric, and		Commercial Sector (C)	2016	1,514,448,618	24,292,560,394	85.79%		3.85%	452%	3.51%	3.72%	2.58%	4.41%	4.89%	Numerator = Metric C1 Denominator = Total commercial usage from PG&E database		
160	Plake	A05 C1	32	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle or onto (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Percent lifecycle ex-antie kWh net	Commercial Sector (C)	2016	1,514,649,618	24,362,560,294	85.785	٠	285	tur.	231%	2.72%	1780	4.6%	6.895	Projected sectoral usage derived by analycing the forecasted annual percent change in energy use from CSC sales data (as presented in the "Musif" scenario from the 2018 Persent and Grash Sharife. Nonvariors - Medic CL. December - Total commercial usage from PG&E disobase.	ie .	
	PGEE	A05 C1			S2: Bernert Duardi Semoni		Circl was served and Manufa awards (non-policytion) and alientic and	Percent lifecycle ex-ante Therm gross			48,791,469	1,109,845,444	102.47%		6.48%	432%	2.72%	3.12%	2.95%	3.90%	4.31%	Numerone = Metric C1 Denominator = Total commercial usage from PG&E database		
161	Plates	AU5 C1	52	Percent	S2: Percent Overall Sectoral Savings	Metric	First year annual and lifecycle ex-ense (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage	Percent lifecycle ex-ante Therm gross	Commercial Sector (C)	2016	46,701,669	1,102,865,666	102476	٠	6.685	LIIN	278%	41th	2368	2.90%	6.435	Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from the SM in the state of sector (and the sector).	e .	
	PGRE	A05 C1			S2: Bernert Duardi Semoni		Circl was served and Manufa as area (non-positive) and aligned and			2016			99.18%		416%	2.72%		2.28%		2.62%	2.12%	eha Tifri Birmanial soni Crails Crustuli Numerator = Metric C1 Denominator = Total commercial usage from PG&E database		
162	PGES	A05 C1	52	Percent	Savings		First year annual and lifecycle or ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectional usage	Percent lifecycle ex-ante Therm net	Commercial Sector (C)	2016	34,617,563	1,109,845,444	99.18%	0	4.16%	2.72%	198%	2.28%	2.14%	2.82%	2.12%	Projected sectoral usage derived by analyzing the forecasted annual percent change in energy use from CSS sales data (as presented in the "Mid" scenario from the Mid State of the Committee of	•	
163	PG&E				GHG	Metric	Greenhouse gasses (MT CCZreq) Net EWh savings, reported on an annual basis	CO2-equivalent of net annual kitth savings	Commercial Sector (C)	2016	N/A	N/A	69,681		12,098		\$2,187	55,787	\$3,326		73,534	Projected sectoral scange derived by analyzing the fornicated acrossil percent change in energy use from CSS size data jus presented in the "Mod" consort form in the 18th and	udes COD (in metric tons) but not NOX and PMSD as these are not GHG isolants.	
164	PG&E	AGS CE	02	Percent	02: Depth of interventions by project	_	Energy savings (gross KWh, therms) as a fraction of total project consumption	Percent lifecycle gross kW	Commercial Sector (C)	2016	N/A	N/A	N/OL	N/A	that not calculate as Affactment A cases: "sheigy lawings gloss kinn, themse as a fraction of satal project consumption. Does not include gloss kW. None Name									
165	PGES	AGS CS	02	Percent	02: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption	Percent lifecycle gross kitth	Commercial Sector (C)	2016	1,995,793,417	6,573,147,090	70.8%	0	44.4%	13.6%	30.4%	30.4%	21.0%	31.4%	31.9%		sject" is defined as "per application"	
166	PG&E	A05 C2	02	Percent	03: Depth of interventions by project	Metric	Energy savings (gross kilkh, therms) as a fraction of total project consumption	Percent lifecycle grass Therms	Commercial Sector (C)	2016	48,791,469	38,172,471	67%	2	262%	115%	128%	128%	130%	132%	134%	Numerator: Energy savings claimed for commercial projects, consistent with	oject" is defined as "per application"	
-		AGG CA	-		P1: Penetration of energy efficiency programs in the eligible market: Percent of																	is coloristed	Scipation is defined as the first instance of participation. Large customers are ned as those using greater than or equal to 500,000 kWh or 250,000 therms	
167	PGES	AGS CE	P1L	Percent	Participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for large outstanters	Commercial Sector (C)	2016	2,058	11,768	17.49%	0	90.11%	8.50%	17.49%	17.49%	18.36%	18.36N	19.24%	combination of account and premise IDI define denominator: Total number of large customers in the sector (defined by unique combination of account and organics Ibi.	ually.	
168	PGES	AGS CA	PSM	Percent	P1: Penetration 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 outcomers	Commercial Sector (C)	2016	8,267	114,023	7.24%	0	4.29%	145%	7.24%	7.24%	7.60%	7.60%	7.97%	combination of accessor and reaction the Submerstorn - Newton's provided or participating medium customers (defined by unique combination of account and premise (s) perconsinators: Total number of medium customers in the sector (defined by unique contribution or description of the provided by an extension of the contribution of the contribution of the contrib	scipation is defined as the first instance of participation. Medium customers defined as those who use between 40,000-500,000WM or 10,000-250,000 ms annually.	
					P1: Penetration of energy		Percent of participation relative to eligible oppulation for small, medium.															nombiostion of account and number of participating small customers (defined by unique combination of account and premier (b)	occursion is defined as the first instance of participation. Neclaum customers defined as those who use between 60,000-500,0000WM or 10,000-350,000 ms annually. Scippison is defined as the first instance of participation. Small customers are need as those who use less than 60,000 kWh or 10,000 therms annually.	
169	PGEE	AGS CA	P15	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric	Percent of participation relative to eligible population for small, medium, and large customers	Percent of participation relative to eligible population for small customers	Commercial Sector (C)	2016	6,685	679,282	139%	0	0.69%	0.18%	5.00%	5.00%	5.00%	5.00%	5.00%	combination of account and premise (b) Benominator: Total number of small customers in the sector (defined by unique combination of account and premise (b)	gets are set at SN in compliance with 0.19-05-041. The methodology for	
																						PGE	Lift does not currently collect square footage data from participants. The nector for this metric multiplies the number of commercial sector participants.	
					P2: Penetration of energy						55,345,434	1,969,884,000	151.91%							5.75%		by the	the average square footage of commercial buildings in PG&C's service territory, was derived by dividing the total commercial square footage in PG&C's service is from CSUS by PG&C's best current estimate for the number of buildings in its	GBE also considered using data from the Commercial Saturation Survey to betermine square footage, but decided on CRUS based on Commission direction.
170	PGBS	AGS CA	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	Percent of square feet of eligible population	Percent of square feet of eligible population	Commercial Sector (C)	2016	55,345,434	1,969,884,000	151.91%	0	1.55%	0.57%	5.67%	5.67%	5.75%	5.75%	5.86%	Numerator: square flootage of participating service commercial customers area 5 Denominator: square flootage of the commercial sector the to cover	sice area (unique account and premise ID). This numerator was then disided by total square footage of commercial buildings in PG&C's service area from	G&S will require this information to be collected to track this metric moving present.
																						Tanget	ets increase in accordance with participation targets.	
	PGEE	AGS CI	PH		Pt: Penetration of energy						6.747	258.834	26%		0.5%	0.0%	27%	2.8%	2.0%	13%	2.5%	Numerator: Number of commercial HTR participants (unique account and premise	r currenters defined in serverdence with D 18/JS/dd 1	G&E does not currently collect whether a commercial customer neets their facility or the customer's primary language is other than English. As a result, this metric includes the geography and business size criteria.
171	PGES	ADS CE	Pé	Percent	Pit: Penetration of energy efficiency programs in the HTR market	Metric	Percent of participation by customers defined as "hand-to-reach"	Percent of participation by outcomers defined as "hard-to-reach"	Commercial Sector (C)	2016	6,747	258,934	2.6%	0	0.5%	0.0%	2.7%	2.8%	2.0%	3.2%	3.5%	Denominator: Total number of HTR commercial customers (unique account and premise ID)	customers defined in accordance with D.18-Q5-041.	G&E will collect all required information to track HTR customers and will update the metric when this data is available.
172	PG&E	A05 CS	82	Percent	Square Footage of Commercial Benchmarking	Metric	Percent of benchmarked square feet of eliable occulation	Percent of benchmarked square feet of eligible	Commercial Sector (C)	2016	91,209,156	1,969,884,000	13.08%		91.08%	109.11%	6.67%	8.00%	9.60%	9.71%	11.65%	Numerator: Total square footage of benchmarked commercial buildings in Portfolio Manager using MGBS portal Denominator: Total square footage of commercial sector	metric includes buildings benchmarked within the calendar war	G&E estimated the total square footage of the commercial sector using data from
			-	PROBE	Penetration	Metal.	Persons of descriptions of the same set of suggest population	population	Commercia sector (C)					-								Denominator: Total square footage of commercial sector	HEALTHON GOODS OF DESIGNATION OF THE LEGISLAND POR	SUS.
																						Large Numerator: Number of large commercial customers that benchmarked on Plan. 1	e customers are defined consistent with criteria approved in PG&E's Business. Is Specifically, large customers use more than SOO,000 kWh or 250,000 therms	MGEC considered using data on covered commercial buildings from the AB 802 searchmanking presentation, but decided to use the unique combination of sensite D and account ID because the AB 802 data could not easily be broken lown to distinguish between small, medium, and large customers.
173	PG&E	AGS CS	BSL	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked outcomers relative to eligible population for large outcomers	Percent of benchmarked customers relative to eligible population for large customers	Commercial Sector (C)	2016	415	11,768	16.80%	٥	20.36%	14.83%	SORN	6.10%	7.32%	7.40%	8.88%	Numerator: Number of large commercial customers that benchmarked on Plan. 1 Portfolio Manager using PGES partal Denominator: Total number of large commercial customers (unique account and premise IO) This m	year. metric includes customers benchmarked within the calendar year.	VGES will emplore apportunities to better report this metric using data from assures such as Cottar, but believes a study on the commencial building stock in to sender area would provide more accurate data that would also add value to the
																								alicitation process.
																								MGEC considered using data on covered commercial buildings from the AB 802 senchmarking preventation, but decided to use the unique combination of remains D and account D'because the AB 802 data could not easily be broken lown to distinguish between small, medium, and large customers.
174	PG&E	AGS CS	SSM	Percent	Benchmarking Penetration for Commercial Sector	Metric	Percent of benchmarked outtomers relative to eligible population for medium customers	Percent of benchmarked customers relative to eligible population for medium customers	Commercial Sector (C)	2016	642	114,023	12.99%	0	423%	359%	0.81%	0.97%	1.16%	1.18N	1.41%	Numerator: Number of medium commercial customers that benchmarked on Portfolio Manager using PGES portal Decominator: Total number of medium commercial customers (unique account or 30)	dium customers are defined consistent with criteria approved in PG&E's iness Plan. Specifically, medium customers use between 60,000-500,000 kitth 0,000-250,000 therms per year.	nemise ID and account ID because the AB 802 data could not easily be broken lown to distinguish between small, medium, and large customers.
																						and premise (0) This m	metric includes customers benchmarked within the calendar year.	CSLS will explore opportunities to better report this metric using data from owners such as Colitas, but believes a study on the commencial building stock in is service area would provide more accurate data that would also add value to the
																								olicitation proces. 456 considered using data on covered commercial buildings from the AB 802
	PGBS	AGG CS	855	Percent	Search-marking Senatration for	Metric	Survey of banches what outcomes saled us to eliable non-sisting for small	Because of hearthmarked customers relative to	Commercial Sector ICI	2016		479,282	10.32%		0.87%	136%	0.14%	0.17%	0.21%	0.21%	0.25%	Numerator: Number of small commercial customers that benchmarked on Particlio Manager using PGES portal Denominator: Total number of small commercial outcomers (unique account and permitted (in the permitted outcomers). This is not presented to the permitted outcomers (in the permitted outcomers) and permitted (in the permitted outcomers) and permitted (in the permitted outcomers).	ill customers are defined consistent with criteria approved in PG&C's Business s. Specifically, small customers use less than 40,000 kWh or 10,000 therms per	IGEC considered using data on covered commercial buildings from the AB 802 electhranking presentation, but decided to use the unique combination of remains D and account Disheause the AB 802 data colds not easily be broken fown to distinguish between small, medium, and large customers.
1/9	Plake	AUS CS	855	Percent	Benchmarking Penetration for Commercial Sector	Metric	cutomers	Il Percent of benchmarked customers relative to eligible population for small customers	Commercial Sector (C)	2016	661	679,282	10.42%		0.87%	1.44%	0.14%	01/8	0.21%	0.21%	0.25%	Denominator: Total number of small commercial customers (unique account and premise (D) This m	r. I metric includes customers benchmarked within the calendar year.	G&E will explore opportunities to better report this metric using data from aurons such as Colitar, but believes a study on the commencial building stock in its service area would provide more accurate data that would also add value to the
																								plicitation process.
176	PGES	AGS CS	86	Percent	Benchmarking of HTR Properties	Metric	Percent of benchmarking by outtomers defined as "hard-to-reach"	Percent of benchmarking by customers defined	Commercial Sector (C)	2016	457	258,934	16.72%	0	1.02%	1.11%	0.25%	0.30%	0.37%	0.37%	0.44%	Numerator: number of commercial HTR customers that benchammed on Portfolio Manager using PGAE portal Decominator: sotal number of commercial HTR customers (unique account and premise III) This is	customers defined based on 0.18-65-041.	G&E does not currently collect whether a commercial customer neets their facility or the customer's primary language is other than English. As a result, this metric ncludes the geography and business size criteria.
					Properties		and a second second second	Percent or benchmarking by customers denised as "hard-to-reach"															metric captures customers benchmarked within the calendar year.	MGEE will collect all required information to track HTR customers and will update the metric when this data is available.
																						PAC cost per kWh or per them or per kW is (PAC Cost x Kinctric Benefits/Total Baseling)/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Baseling)/Lifecycle Net kWh or (PAC Cost x Electric Benefits/Total Baseling)/Lifecycle Net kW expectably Leveli.		
177	PG&E	AGS CG	LC	PAC Levelized Cost (S/kW)	Cost per unit saved	Metric	Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kW)	Commercial Sector (C)	2016	\$ 105,993,527	277,525 \$	381.90	297	\$ 255.79	\$ 190.60	\$ 381.92	5 381.92 5	381.92	\$ 343.73	\$ 343.73		elized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
																						The adopted avoided cost methodology does not provide information to provide a meaningful value for TRC or PAC Cost per WW. BMC method little on one thans on per IMM in IRAC Cost v Clarics Baseline Const.		
178	PG&E	AGS CE	uc	PAC Leveland Cost (S/kWh)	Cost per unit saved	Metric	Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kWh)	Commercial Sector (C)	2016	\$ 105,993,527	1,514,648,618 5	0.07	0	s 0.05	\$ 0.04	s 0.07	\$ 0.07 1	0.07	s 0.06	s 0.06	PAC cost per kWh or per thems or per kW is (PAC Cost x Siectric Benefits/Total Benefits/Lifecycle Net kWh or (PAC Cost x Gas Benefits/Total Benefits), Lifecycle Net therm or (PAC Cost x Siectric Benefits/Total Benefits), Lifecycle Net kW CCDA	elized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
179	PGEE	AGS CG	uc	PAC Levelized Cost (5/therm)	Cost per unit saved	Metric	Levelland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (S/therm)	Commercial Sector (C)	2016	\$ 16,294,214	34,617,563 \$	0.47	0	\$ 0.51	\$ 0.42	\$ 0.47	\$ 0.47 \$	0.47	5 0.42	\$ 0.42	PAC cost per kWh or per them or per kW is (PAC Cost x Kinetric Benefits/Total Benefits/Utics/sie Net kWh or (PAC Cost x Kina Benefits/Total Benefits/Utics/sie Net kWh or (PAC Cost x Kina Benefits/Total Benefits/Utics/sie Net kWh or (PAC Cost x Electric Benefits/Total Benefits/Utics/sie Net kW cospectively.	elized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
		1																				TRC cost per kitth or per therm or per kitt is (TRC Cost x Sectric Security/Total Security/Lifecycle Net kitth or (TRC Cost x Gas Security/Total Security/Lifecycle		
180	PGES	AGS CG	uc	TRC Leveland Cost (S/kW)	Cost per unit saved	Metric	Leveloed cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC sevelized Cost (S/KW)	Commercial Sector (C)	2016	\$ 189,406,526	277,525 \$	682.46	568	\$ 461.94	\$ 426.09	\$ 682.49	\$ 682.49 \$	682.49	\$ 65424		Net therm or (TRC Cost x Electric Benefits/Total Benefits), Ulfscycle Net XW Leveli. CDAI The selected suitided cost mathodology (four not possible information to possible).	elized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
\vdash		_	-	-																		meaningful value for TRC or PAC Cost per kW. TRC cost per kWh or per therm or per kW is (TRC Cost x Electric Benefits/Total)		
181	PGES	AGS CG	LC.	TRC Leveland Cost (S/kWh)	Cost per unit saved		Levelland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC sevelized Cost (S/kWh)	Commercial Sector (C)	2016	\$ 189,406,526	1,514,648,618 5	0.13	0	\$ 0.09	\$ 0.09	\$ 0.13	\$ 0.13	0.13	S 0.11	S 0.11	Benefits) Lifecycle Net kith or (TRC Cost x Gas Benefits/Total Benefits) Lifecycle Net kW CSDAI Net therm or (TRC Cost x Sectric Benefits/Total Benefits) Lifecycle Net kW CSDAI nerowniaelu	slized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
182	PG&E	AGS CG	uc	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/therm)	Commercial Sector (C)	2016	\$ 29,117,161	34,617,563 \$	0.84		\$ 0.92	\$ 0.93	5 0.84	\$ 0.84 \$	0.84	\$ 0.76	\$ 0.76	THC cost per kinth or per therm or per kill is (TEC Gost x Blectric Benefits/Total Benefits/Sulfecycle Net kilth or (TEC Cost x Gas Benefits/Total Benefits)/Lifecycle Net therm or (TEC Cost x Blectric Benefits/Total Benefits/Lifecycle Net kilV COSAI	elized costs are reported by sector consistent with primary sector groupings in ARS PROGRAM specifications.	
-	PGES		N1					Percent of total projects utilizing Normalized			N/A - Indicator	N/A - indicator	HO. 1	ma /	N/A - Indicator		W0 / T :	MR 1-7	ma	PO		respectively		
193	PGEE	A06 C7	N1	Percent	NMEC	Indicator	Fraction of total projects utilizing Normalized Metered Energy Consumption (NMSC) to estimate savings	Percent of total projects utilizing Normalized Metered Energy Consumption (MMEC) to estimate savings	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Per CASECC meeting: "Fraction of total custom projects utilizing NMSC to estimate savings".***Class from CMPA (Custom Measure and Project Archive)										

Att	achmen	t 4, Tabl	k 19	
PΑ	Name	Parific t	Con seed	Electric

Attachment 4, Table 19 PA Name: Pacific Gas and E Budget Year: 2021	Electric								Baseline		T		ctual		1	Short Term Target		T		_		
Index PA ATA Pa	age Order	Method Code Me	Units of assertment	Metric Type	Metric/ Indicator Business Plan Att A Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2019	2020	Comulative	Long Term Target (2020-2020) Cumulative	Methodology	Key Definitions	Proxy Explanation
184 PGES AGS	C71	N2	Percent Percent	NMEC Satisfaction	Indicator Faction of total savings (gross kWh and therm) derived from NMSC mathetic indicator in customer satisfaction.	Percent of total savings (gross WWh and thems) Herbard from MMSC anabasis Decreat improvement in customer and final-	Commercial Sector (C)	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	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 CASSCC Meeting: "Fraction of total custom savings derived from NMSC analysis" ****Fren from FMOA Per CASSCC Meeting: MSS will develop and field a consistent survey instrument		
186 PGES A06			Percent Percent	Satisfaction	Indicator Improvement in customer canonaction Indicator Improvement in trade ally satisfaction	Percent improvement in customer satisfaction Percent improvement in trade ally satisfaction	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A-Indicator	420%	N/A - Indicator	159%	4526	N/A - Indicator	annually. Per CASECC Meeting: M&S will develop and field a consistent survey instrument.	Numerator - Current Year Percentage - Baseline Year Percentage. Denominator - Baseline Year Percentage.	informal Survey of Trade Pros found for each of the previous target years. Scale is				
187 PGES AGS	_	-	Percent	Investment in EE	Indicator Fraction of total investments made by rategayers and private capital	Percent of sotal investments made by ratepayers and private capital	Commercial Sector (C)	N/A - Indicator	annually. Per CASSC meeting: and SD: Numerator: Total incentive amounts Denominator: Total incentive amounts Denominator: Total incentive amounts	Raseline Year Percentage.	satisfaction over the provious year reported.											
188 PGBE A06			rar annual kW gross	S1: Snergy Savings	Medic First year annual and Biscopic en-order (pre-evaluation) gas, electic, and demand savings (pre-evaluation) gas, electic gas, elec	and private capital First year annual KW gross	Public Sector (P)	2016	N/A	N/A	11,281	13,656	6,208	7,896	9,600		9,541	12,323		Number 1 and accepted before December 1 and accepted by the control of the contr	n Noise	Since the Petersial Study does not distinguish public sector energy savings potential from commercial sector energy savings potential. PGES studyed the ratio of using schliewesser in the public sector rations as the annexed sector and puplied that care in the invention Study and in a designate the sector of the spipel sector of the invention Study and in a designate of the sector of the spipel sector of the invention of the sector of the sector of target, will be updated based out the next version of the Potential Study which distinguishes between commercial and policy text energy saving public statistical between commercial and policy text energy saving public statistical between commercial and policy text energy saving public statistics.
189 PGEC A06	i 91	S1 First y	ear annual kW net	S1: Snergy Savings	Metric First year sanual and lifecycle on othe (pre-evaluation) gas, electic, and deemed savings (grees and net) across Polific Sector programs.	Ainst year annual kill nest	Public Sector (P)	2016	N/A	N/A	8,450	10,231	4,809	6,937	6,802	2,304	6,676	8,727	e:	Reselve data is reported consistent with primary sector groups in CCDASS PROGRAM sportfaction and slight with achievements reported in 2016 Annual Report. Target were set using the 2018 Petertail and Goals Study, consistent wit CPUC-stopped grank in 0.37 db-075.	n Nove	Since the Petential Study does not distinguish public sector energy savings patential from commercial sector energy saving patential, VidiA savigues the control of the control Study which distinguish to between commercial capital cast care energy unique potential Study which distinguish to between commercial capital cast care energy uniques potential Study which distinguishs between commercial capital care energy unique potential Study which distinguishs to seven commercial capital care energy unique potential capital with processing the control of
190 PGBE AGE	i 91	Si Fini	year annual Wh gross	S1: Snergy Savings	Metric Ent) peut procesi and Mospile en entre (pre-enviroller) gas, electic, and demand savings (press and ent) areas Palaic Sector programs	First year annual KWh gross	Public Sector (P)	2016	Aya	N/A	62,037,732	96,781,680	57,677,676	55,872,596	48;837,418	52,962,484	50,842,471	62,725,278	60,285,7	basilon data is reported associated with prinary sector groups in CESASS 92 PRODUM specification and signs with activements reported in 2016 Annual OUC-despited goals in 0.17-00-025.	300e	Since the Patential Study does not distinguish public vector energy surings patential from commercial vector energy surings patential, PACE analyses the local of using a distinguishment in the public vector ordinate to the commercial vector and guided that ratio to the Patential Study data to distinguish between the two. The patential surings of the Patential Study data to distinguish between the two. The patential Study of the Patential Study data to distinguish between the two. The patential Study of the Patential Study data to distinguish between commercial and public vector energy surings patential.
1 PGBG AGG	i 91	S1 First	year annual kWh.net	S1: Energy Savings	Metric First year annual and lifecycle on once (pro-evaluation) gas, electic, and demand savings (gross and net) across Public Sector programs.	First year annual kitch net	Public Sector (P)	2016	N/A	N/A	46,860,705	73,258,568	45,054,858	50,057,650	36,211,279	38,708,920	27,001,701	46,126,514	51,032,1	Baseline data is reported conditioner with primary sector groups in CEDARS 200 PROCEASE specification and sliges with achievements reported in 2016 Annual Report. Togets were set using the 2018 Potential and Goals Study, consistent will CPUC adopted goals in 0.17-09-025.	to Value	Since the Presential Study does not distinguish gualitic sector energy savings potential from commercial sector energy savings potential, PGES avalyage that said of usings potential that control energy savings potential, PGES avalyage that said applied that state to the Police set of Study distant of stitugals between the less and applied that spain to the Police set of Study distant of stitugals the severe this saying saving the spain of the section of the Police stitudy which distinguishes between commercial and public sector energy rawings potential.
92 PGBS AGE	i 91	Si Fins	year annual erm gross	S1: Energy Savings	Metric First year annual and Blecycle ex-onive (pre-evaluation) gas, electic, and demand savings (gross and net) across Public Sector programs.	First year annual Therm gross.	Public Sector (P)	2016	N/A	N/A	(72,273)	135,020	42,096	27,660	(50,520)	(57,986)	(54,304)	(71,855)	(29.)	Baseline data is reported conditioner with primary sector groups in CEDMS FROCEMAN specification and aligns with achievements repromed in 2016 Annual Report. Togets were set using the 2018 Extential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-025.	n Youne	Since the Presential Study does not distinguish guilds sector ewergs savings paterain from commercial sector ewergy savings potential, PGES analysed the sector of usings subserved in the public soci relative to the seminential sector and applied that make to the Polisiness (ISSA) data to distinguish between the loss, year great the sector of the sector of the Polisiness (ISSA) and surgest will be uplied about of the new serving of the Polisiness Saving will distinguishes between commercial and public sector ewergy savings potential.
9 PGBS AGE	i 91	Si Fina	year annual herm net	S1: Energy Savings	Metric First year annual and lifecycle en onthe (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs.	Ainst year annual Therm net	Public Sector (P)	2016	N/A	N/A	(25,127)	90,495	47,008	5,932	(41,730)	(47,298)	(45,278)	(69,682)	(66,1	Baseline data is reported conditioner with primary sector groups in CSDMS 5006; PROCEMAN specification and aligns with achievements reported in 2016 Annual Report. Togets were set using the 2018 Retential and Goals Study, consistent will CPUC adopted goals in 0.17-09-025.	n Noise	Since the Protential Study does not dissinguish public sector every savings potential from commercial sector every savings potential, PGES analysed the saction of usings subservated in the public cours relative that sector escaled sector and puplied that ratio to the Politerial Study dists to distinguish between the loss. The sepresses PGES state estimate efforts every saving sector of the sepresses PGES state estimate efforts every saving sector Sector distinguishes between commercial and public sector every savings potential.
194 PGEC AGE	i 91	S1 Ufecy	de ev-ante kW gross	S1: Energy Savings	Metric First year annual and Blecycle ex-onive (pro-evaluation) gas, electic, and demand savings (gross and net) across Public Sector programs.	Lifecycle ex-ante KNV grass	Public Sector (P)	2016	N/A	N/A	92,915	145,446	62,460	69,911	105,301	111,917	102,492	123,656	548,7	Baseline data is reported conditioner with primary sector groups in CEDARS 1900/GRAM specification and sliges with achievements reported in 2016 Annual Report. Togets were set using the 2018 Extential and Goals Study, consistent with CPUC adopted goals in 0.17-09-025.	n Monte	Since the Presential Study does not distinguish gualitic sector energy savings potential from commercial sector energy savings potential, PGES avalyage that said of usings potential that control energy savings potential, PGES avalyage that said applied that state to the Police set of Study distant of stitugals between the less and applied that spain to the Police set of Study distant of stitugals the severe this saying saving the spain of the section of the Police stitudy which distinguishes between commercial and public sector energy rawings potential.
G PGEC ACC	i 91	S1 Ufecy	de eu-ante kW net	S1: Energy Savings	Metric First year annual and lifecycle ex-site (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs.	Lifecycle swante kW net	Public Sector (P)	2016	N/A	N/A	69,339	108,992	68,627	62,227	78,272	82,275	77,091	99,530	100,7	Baseline data is reported conditioner with primary sector groups in CSDMS 1925 PROCEMAN specification and aligns with achievements reported in 2016 Annual Report. Togets were set using the 2018 Retential and Goals Study, consistent will CPUC adopted goals in 0.17-09-025.	n None	Since the Protential Study does not distinguish public sector energy savings paterain from commercial sector energy savings paterain, PGES analysed the stack of usings and answersed in the policy controllers better permission and and applied that ratio in the Policensial Study data to distinguish between the text and applied that ratio in the Policensial Study data to distinguish between the text region will be updated based on the new review of the Police Indiany should, distinguishes between commercial and public sector energy ravings posential.
196 PGBE AGE	i 91	S1 Life	yde evante Ah gross	S1: Energy Savings	Metric First year annual and lifecycle ex-size (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs.	Lifecycle swante KWh gross	Public Sector (P)	2016	N/A	N/A	594,051,250	1,015,686,578	\$15,229,350	577,270,541	532,355,131	564,827,555	542,014,058	668,680,488	729,682,	Baseline data is reported conditioner with primary sector groups in CEDMS 990CGMM specification and aligns with achievements reported in 2016 Annual Report. Targets were set using the 2018 Potential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-035.	n None	Since the Presential Study does not dissinguish public sector energy savings paternial from commercial sector energy savings potential, PGES analysed the sector of usuing substances in the public sector relative in the seminential sector sector of the sector of the sector of the sector of the sector of the This represents PGES here trained of front energy saving potential. Serving regress will be updated about on the new serving of the Presential Study which distinguishes between commercial and public sector energy savings potential.
197 PGBE AGE	i 91	S1 Lifes	yde evante Olih net	S1: Energy Savings	Metric First year annual and Blecycle ex-onive (pre-evaluation) gas, electic, and demand savings (gross and net) across Public Sector programs.	Lifecycle an ante 100% net	Public Sector (P)	2016	N/A	N/A	451,512,594	751,674,561	403,163,606	520,561,406	403,668,363	428,609,281	411,297,667	507,456,230	561,294,0	Baseline data is reported conditioner with primary sector groups in CSDASS PROCEARS specification and aligns with achievements repromed in 2016 Annual Report. Togets were set using the 2018 Extential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-025.	n Youne	Since the Presential Study does not distinguish guilds sector every savings paterain from commercial sector every savings potential, PGES analysed the sector of usings, softwared in the public soci relative to the seminential sector and applied that state to the Polisiness (Study data to distinguish between the loss, and applied that sector to the Polisiness (Study data to distinguish between the loss, savings will be updated based on the even serving of the Polisines (Study Welch, distinguishes between commercial and public sector eventy ravings posential.
SSR PGEE AGE	i 91	S1 Life	yde evante erm gross	S1: Energy Savings	Metric First year annual and lifecycle en onthe (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs.	Lifecycle avante Therm gross	Public Sector (P)	2016	N/A	N/A	(216,569)	1,317,961	115,545	231,355	(504,589)	(582,457)	(639,135)	(945,694)	(922,)	Baseline data is reported conditioner with primary sector groups in CSDMS 2009 PROCEMAN specification and aligns with achievements reported in 2016 Annual Report. Togets were set using the 2018 Retential and Goals Study, consistent will CPUC adopted goals in 0.17-09-025.	n Noise	Since the Presential Study does not distinguish public sector energy savings paternial from commercial sector energy savings paternial. PGES analysed the stack of usuling satisfacement in the public societarists that permissional sector and applied that make to the Policiental Study district as distinguish between the make public that provides to the Policient Study district as distinguish between the registery and the public busined on the energy making public sector street present sides up which statinguishes between commercial and public sector energy ravings posential.
199 PGBS AGE	i 91	S1 Life	yde evante herm net	S1: Energy Savings	Metric First year annual and lifecycle ex-size (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs.	Lifecycle as ante Therm net	Public Sector (P)	2016	N/A	N/A	(125,588)	821,677	204,929	70,688	(432,028)	(485,872)	(464,394)	(634,480)		Baseline data is reported conditioner with primary sector groups in CEDMS 1805 PROCEMAN specification and aligns with achievements reported in 2016 Annual Apport. Targets were set using the 2018 Potential and Goals Study, consistent with CPUC-adopted goals in 0.17-09-035.	n None	Since the Pessettal Study does not distinguish guilds sector energy savings paternial from commercial sector energy savings potential. PAGE analysed the ratio of usuling studywards in the public soot ratios's to the commercial sector and applied that ratio to the Potential Study data to distinguish between the two this represent PAGE to test entires of PAGE energy saving process. Savings studyes will be updated based on the earl written of the Followish Study which stating with the best commercial and guide. Sector energy carried, protection.
O PGBS A06	92	G 8	rTC02eq	GHG	Greenhouse gauses (MT CO2eq) based on net lifecycle kithh and Therms taxings, reported on an annual basis, incorporating average ball-backplay rais	CO2-equivalent of net annual kitth savings	Public Sector (P)	2016	N/A	N/A	20,726	21,811	4,160	5,247	15,962	17,053	16,301	20,209	22,0	Calculated using CET, and reported by sector consistent with primary sector groupings in CEDHAS PROCERAM specification. Numerator - Total savings claimed for MF retrolft projects	Includes CO2 but not NOX and PM10 as these are not GHGs.	
1 PGBS A06			W NOUND NET	DS: Depth of interventions ner hull-fine	faet/sechoplays mix Average persons energy savings (KWh, kw, therms) per project building or faetilises Average persons energy rayings (KWh, kw, therms) per project building or faetilises.	Percent annual net kW per project building or furtiling.	Public Sector (P)	N/A - Indicator		N/A - Indicator		Numerator - Total savings claimed for MF renotife projects Denominator - Number of nontrivination anomanias Numerator - Total savings claimed for MF renotife projects Denominator - Number of participating properties										
	P2i		KWh nt annual NST	per building 03: Depth of interventions	Indicator Average percent energy savings (KWh, kw, therms) per project building or facility Indicator Average percent energy savings (KWh, kw, therms) per project building or facility facility	Percent annual net kitth per project building or facility Percent annual net Therms per project building	Public Sector (P) Public Sector (P)	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	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 N/A - Indicator	Decominator - Number of participating properties Numerator - Total savings claimed for MF retrofit projects		
PGBS A06	_		Theores uni NET kW	per building DS: Depth of interventions: Per square foot	Incline Indicator Average annual energy savings (Wth, kw, therms) per project building floor plan area	or facility or Average annual net liw savings per project building floor plan area	Public Sector (P)	N/A - Indicator	Denominator - Number of paintropating properties: Numerors - Total saving similar for Mir representation Denominator - Number of contributing properties Numerator: Total downstream savings Denominator Total number of service accounts participating, x average square													
PGBS A06	_		al NET KWO	Per square foot Dis Depth of interventions: Per square foot	plan area Indicator Average annual energy savings (WMh, kw, therms) per project building floo plan area	building floor plan area Or Average annual net law savings per project building floor plan area	Public Sector (P)	N/A - Indicator	Numerator: Total downstrates aulogs the consistent of total number of exercise accounts participating, x average square totales of arconomy Numerator: Critical downstrates savings the consistent: Total sumber of service accounts participating x average square sost as a of an accounty.													
PGRS AGE	H		il NET Therms	Per square foot Di: Depth of interventions: Per square foot	plan area Indicator Average annual energy savings (Wth, kw, therms) per project building floor	building floor plan area or Average annual net Therm savings per project building floor plan area	Public Sector (P)	N/A - Indicator	denominator: roca number of service accounts participating, x average equare footase of property Numberator: Total downstream savings Denominator: Total number of service accounts participating, x average equare		1											
	- PS	415	-		,,															footness of occounts	1	
PGBS A06	_		ual NET kW	Water	Indicator Average annual energy savings (KWh, kW therms) per annual flow through project water/wastewater facilities	through project water/wastewater facilities	Public Sector (P)	N/A - Indicator	N/X - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/watewater customers Denominator: Reseline energy usage as reported on project applications								
PGBS A06	Pai	W1 Ann	ual NET kWh	Water	Indicator Average annual energy savings (KWh, kW therms) per annual flow through project water/wastewater facilities.	h. Average annual Net kWh savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A - Indicator	Numerator: claimed savings from water/waterwater outtomers Denominator: Baseline energy usage as reported on project applications	<u> </u>	<u> </u>											
PGBS A06	Pai	W1 Annu	i NET Therms	Water	Indicator Average annual energy savings (kWh, kW therms) per annual flow through project water/avorowater facilities	h Average annual Net Therms savings per annual flow through project water/wastewater facilities	Public Sector (P)	N/A - Indicator	N/X - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	Numerator: claimed savings from water/wastewater oustomers Denominator: Baseline energy usage as reported on project applications		1						
PGBS A07		PI	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric Percent of Public Sector accounts participating in programs	Percent of Public Sector accounts participating in	Public Sector (P)	2016		76.418	0.82N		258%	4.02%	0.84%	0.8ek	0.84%	0.86%	0.90%	Numerator: Number of public sector unique account and premise tils that participated in an KE program Denominator: total number of unique account and premise libs in the public sector.	Participation is defined as the first instance of participation. Public sector gustomers are defined by NAMCS codes.	
	- 14			Participation		programs	rwate sector (F)	adlk	628	74,418	v.42h		4,400	*47%				v.ek%	U.90%		customers are defined by NAICS codes.	
PGBS A07	PE	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible	Fercest of estimated fiscoplan awa (i.e., ft2) of all Public Sector buildings participating in building project—estimate within s/-15% of sector-wide tubiding awa, s/-50 of project building and sector project Fercest of Public Sector water/watewater flow (i.e.,	Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects	Public Sector (P)	N/A - Indicator	Numerator: square footage of participating unique account and premise the Denominator: Square footage of all unique public sector premise and account the times average number of buildings per account.													
PGBS ACO	PE	W2	Percent	Water	Percent of habitic factor water/deministrator from En- semble and pure part Million (per dep) extended in non-building water/deministrations programs— in the second part of the properties of the properties of the facilities (presented Endillies pumping automol, at-161 of the burbonist anisotte Endillies.	Percent of Public Sector water/wastewater flow encolled in non-building water/wastewater programs	Public Sector (P)	N/A - Indicator	N/OL - Indicator	N/A - indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	As reported by water/esizewater treatment facilities' pumping stations that respond to survey								
212 PGES A00		uc PACI	evelized Cost (S/kW)	Cost per unit saved	Metric Levelland cost of energy efficiency per kWh, therm and kW (see both TRC and PAC)	PAC Levelized Cost (\$/kW)	Public Sector (P)	2016	\$ 62,824,972	69,239	\$ 906.05	509	S 965.48	\$ 653.12	\$ 906.05	\$ 906.05	\$ 906.05	\$ 815.45 1	\$ 770	The adopted avoided cost methodology does not provide information to provide meaningful value for TRC or PAC Cost per kW.	Levelland cooks are reported by sector conditions with primary sector groupings in CIDMAS PROGRAM specifications.	
216 PGES A07	1 16	LC PACI	evelized Cost (S/kwh)	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/kWh)	Public Sector (P)	2016	\$ 62,824,972	451,512,594	\$ 0.14	0	\$ 0.12	s 0.08	\$ 0.54	\$ 0.54	\$ 0.14	5 013 5	s o	PAC cost per kWh or per therm or per kW is (PAC Cost x Silectric Benefits/Sotal Benefits/Vilkeyde Verk kWh or (PAC Cost x Gas Benefits/Total Benefits), Vilkeyde Net therm or (PAC Cost x Silectric Benefits/Total Benefits), Villeyde Net kW expectively	Levelized costs are reported by sector consistent with primary sector groupings in CEDAKS PROGRAM specifications.	
215 PGBS AD7		LC PACE	eveland Cost (,therm)	Cost per unit saved	Metric Levelland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Leveland Cost (\$/sherm)	Public Sector (P)	2016	\$ (92,123)	125,588	\$ (0.26)	0	\$ 0.25	\$ (1.92)	\$ (0.26)	\$ (0.26)	\$ (0.26)	\$ (0.24) \$	s 40	PAC cast per kWh or per them or per kW is IPAC Cast is Electric Benefits/Sotal Benefits/Solkeyde Net kWh or IPAC Cost is Gas Benefits/Sotal Benefits/Sotal Benefits/Sotal Benefits/Sotal Benefits/Total Benefits/Lifecyde Net kW respectively.	Levelland costs are reported by sector consistent with primary sector groupings in COMAS PROCRAM specifications.	
		LL_					1		l	l		L								respectively		L

Attachment 4, Ta	ble 19
PA Name: Pacifi	Gas and Electric

Attachr PA Nan Budget	ent 4, Table 19 r: Pacific Gas an Tear: 2021	d Electric								Baseline				ctual		ı	Short Term Target				
index		AZA A Page Order	Method Code M	Units of deasurement	Metric Type	Metric/ Indicator Business Plan Act A Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2010	2019	2020	Mid Term Target (2023-2028) Cumulative	Long Term Target (2030-2020) Cumulative	Methodology Key Definitions Proxy Explanation
	PGES .		LC TRO	Clausiant Core		Levelined over of anarous efficiency over 1986; there and 1986 (see both 197			2016	5 81.844.862	69.229	5 1180.36		5 1.402.16	5 99296	5 1,180,36	5 1.180.36	5 1.180.36 5	106232 5	1,003,30	TRC cost per kills or per therm or per kills (TRC Cost s Discric Benefit), Total Benefit), Ulliscycle Net kills or (TRC cas sac Benefit), Total Benefit (Liffreyco Benefit), Aller (Section Benefit), Total Benefit, Clareford, Willings (Section Benefit), Total Benefit, Clareford, Willings (Section Benefit), Total Benefit, Clareford, William Benefit, Clareford, Will
216	PGEE .	A07 95	uc III.	C Levelized Cost (S/kW)	Cost per unit saved	Metric Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/kW)	Public Sector (P)	2016	\$ 81,844,862	69,229	\$ 1,180.36	928	\$ 1,402.16	\$ 992.96	\$ 1,180.36	\$ 1,180.36	S 1,18036 S	1,062.32 \$	1,003.30	are, term for all, in Assaul and assault of assault and assault of assault and assault and assault ass
-																					TRC cost per kikh or per therm or per kiki is (TRC Cost x Siectnic Benefity/Total)
217	PGES	A07 96	LC TRO	C Leveland Cost (S/kWh)	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (S/KWh)	Public Sector (P)	2016	\$ 81,844,862	451,512,594	\$ 0.18	0	\$ 0.17	\$ 0.12	\$ 0.18	\$ 0.18	S 0.18 S	016 5	0.15	Beneficity likes (with not (TEC Cost a Cost Beneficity Total Beneficity). Elevation of the National Cost as a responsed by sector consistent with primary sector groupings in COSAKS PROCEEDING (Section Cost Cost Cost Cost Cost Cost Cost Cost
			794	Clausiant Cost		I pushing out of agents afficiency our bidly there and bid our both TSC										s (0.33					Tilk cop ar Wild or gar them or yer hav a (Tilk Cost a Bestic Mendan/Tara) Mending Maybe her kinn or (Tilk Cost a Gail Mendan/Tara) Mending Maybe her kinn or (Tilk Cost a Gail Mendan/Tara) Mending Maybe her kinn or (Tilk Cost a Gail Mendan/Tara) Mendan/Tara Me
218	PGBS	AD7 95	LC IN.	(S/therm)	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/therm)	Public Sector (P)	2016	\$ (41,849)	125,588	\$ (0.33)	1	\$ 0.37	\$ (2.93)	\$ (0.33	\$ (0.33)	s (0.22) S	(0.33) \$	(0.33)	Beneficy/Useryce Nex With or (TIK: Cost is Gas Benefits/Total Benefits)/Useryce benefits of Cost in Benefits/Total Benefits/Useryce Nex VIV COSAS PROGRAMM specifications.
219	PG&E .	AD7 PGI	F2	s	Investment in EE	Indicator Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, OBF)	Total program-backed financing distributed to Public Sector outcomers requiring repayment	Public Sector (P)	N/A - Indicator	N/A - Indicator	N/A - Indicator	\$ 6,410,202.00	\$9,067,807.00	N/A - Indicator	17170856	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - Indicator	Total amount loaned through PA programs "State program backed financingmquiring repayment" state loan amount
220	PG&E .	AQ7 97	83	Percent	Public Sector Benchmarking Penetration Calendar Year	Metric Percent of Public Sector buildings with current benchmark	Percent of Public Sector buildings with current	Bubble Surner (B)	2016	472	76,418	12.42%	0	4.77%	4.07%	0.89%	107%	128%	1.30%	1.55%	Numerator: Number of palic under building benchmarked on Ferdinia Manager villag FASE parts This metric includes building benchmarked within the criendar year enconstruct total number of palic under usique account and premise life. This metric includes building benchmarked within the criendar year enconstruct total number of palic under usique account and premise life. This metric includes building benchmarked within the criendar year enconstruct total number of palic under usique account and premise life. This metric includes building benchmarked within the criendar year enconstruct total number of palic under usique account and premise life. This metric includes building benchmarked within the criendar year enconstruct total number of palic under usique account and premise life. This metric includes building benchmarked within the criendar year enconstruction. The palic under
-							benchmark	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													
221	PG&E	AQ7 97	E14	štu	Energy intensity per public sector building	Metric Average energy use intensity of all Public Sector buildings	Average energy use intensity of all Public Sector buildings	Public Sector (P)	2016	41,824,173,748,958	76,418	2	483,536,404	223,052,888	195,331,421	547,307,882	547,307,882	547,307,882	536,361,724.65	519,942,488.18	Numerator: Total lactor-level energy use from PGES database (gas + electric) Denominator: Number of unique-guildic sector account and premise Dis
222	PGEE .	AQ7 P71	84	Percent	Public Sector Square Foot Renchmarking Penetration in	Percent of floorplan area of all Public Sector buildings with current benchmark	Percent of floorgian area of all Public Sector buildings with current benchmark	Public Sector (P)	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	N/A - Indicator	Numerator: Triol aguan boage of public buildings benchmarked within calendar year. In interface biologies year. In interface biologies processors: That a greater betage of all benchmarked public sector buildings. Shi metric includes buildings benchmarked within the calendar year demonstrator. That a greater betage of all benchmarked public sector buildings.
-					Benchmarking Penetration in Calendar Year																Denominator: Total opuse footage of all benchmarked public contor buildings Baseline data in recorded consistent with primary actor enouge in CGAMS
223	PG&E	AGR Ins	51	kW	S1: Energy Savings	First year annualized and lifecycle ex-anse (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kW gross	Industrial (I)	2016	N/A	N/A	10,546	7,998	3,508	1,955	15,760	96,113	16,294	14,422	11,046	Baseline drain is reported consistent with primary servor groups in CEAMS PACKAND deportations and digres with adversement reported in 2016 Annual Septem Targerist wave on the 2016 Packand and Cells Annual Septem Targerist wave on the 2016 Packand and Cells Annual Septem Targerist wave on the 2016 Packand and Cells Annual Septem Targerist wave on the 2016 Packand and Cells Annual Septem Targerist Septem Targeri
																					CPUC designed grank in 0.37 GH QHS. Baseline data in reported conditions with primary sector groups in GEAMS
224	PG&E .	AGE Ins	51	kW	SS: Energy Savings	Metric First year annualized and lifecycle swante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kW net	Industrial (I)	2016	N/A	N/A	7,653	5,199	2,889	1,325	11,675	11,891	12,021	11,071	9,357	Namedoe das in supposed assistantes alto privacy prospect de CEANAS (ACADAM CARLOS ACADAM CARLOS ACA
225	PGEE .	409 Int	51	kWh	S1: Energy Savings	Metric First year annualized and lifecycle swanze (pre-evaluation) gas, electric, and	First year annual KWh gross	Industrial (I)	2016	N/A	N/A	49,200,588	44,751,047	28,870,444	22,553,180	113,151,759	110,069,014	107/052,877	89,234,286	66 374 619	Name of the Proposed activation and printing properior CEASES ADMINISTRATION of the Properior CEASES ADMINISTRATION OF THE PROPERIOR OF THE
	Pulls .		**	kWh	S1: Snergy Savings	Metric First year annualised and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kitth gross	Industrial (I)	2026	N/A	140	44,200,888	40100	20,010,000	22,880,180	11(11()11	110,000,000	201,012,017	M,311,211	W/30,009	Report: Targets were not using the 2019 Potential and Goals Study, consistent with Name CPUC-adopted goals in 0.17-09-02G.
226	PG&E .	AGR Ins	Si	kWb	S1: Energy Savings	Metric First year annualised and lifecycle examp (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	First year annual kitth net	Industrial (II)	2016	N/A	N/A	37,054,341	29,086,751	23,940,394	18,362,190	81,640,261	79,450,954	77,541,577	67,209,198	55,191,366	Seation on the responded activations with programs of CRASH . (Seation Seation Seation Seating Seatin
						demand savings (gross and net) in industrial sector															Asport. Torpet were on using the 2019 Potential and Goals Study, consistent with CRUC adopted goals in 0.17-09-025.
227	PG&E	AGR Ins	Si	Them	S1: Snergy Savings	Metric First year annualized and lifecycle ex-anne (pre-evaluation) gas, electric, and demand cavings (gross and net) is industrial sector	First year annual Therm gross	industrial (I)	2016	N/A	N/A	3,038,179	5,810,077	4,446,419	8,219,935	4,536,165	4,680,459	4,911,927	7,000,364	9,266,394	Seation on the responsed activations with property collisions (SEASON SEASON S
																					CPUC-adopted goals in 0.37-04-025.
228	PG&E	AGR Ins	Si	Them	S1: Snergy Savings	Metric First year annualized and lifecycle exame (pre-evaluation) gas, electric, and demand savings (gross and set) in industrial sector	First year annual Therm net	Industrial (I)	2016	N/A	N/A	2,127,794	3,673,616	3,360,101	5,425,296	4,317,835	4,449,805	4,647,312	6,708,125	7,704,714	Seation on the responded extensions with principles of CRASE . ADMINISTRATION OF THE PROPERTY
-																					CPUC adopted goals in 0.17-09-025. Baseline data in recorded consistent with primary sector enough in CDAMS
229	PG&E	AGR Ins	51	kW	S1: Energy Savings	Metric First year annualized and lifecycle ex-anse (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle awante KW gross	Industrial (I)	2016	N/A	N/A	75,129	90,576	64,133	25,149	112,279	114,790	116,006	102,799	78,689	Baseline also is regreted assistance with princip yourset groups in CEDAS. ADMINISTRATING THE PRINCIP AND ADMINISTRATION OF THE PRINCIP ADM
230	PGBE	AGR Ins	Si	kW	SS: Energy Savings	Metric First year annualized and lifecycle swante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle ex-ante KW net	Industrial (I)	2016	N/A	N/A	53,710	58,880	36,811	16,999	81,476	83,300	84,183	74,555	\$7,000	Seation on the responded activations with programs of CRASH . (Seation Seation Seation Seating Seatin
	PG&E .			kWh	S1: Energy Savings	Metric First year annualised and lifecycle evante (pre-evaluation) gas, electric, and	Lifecycle ex-ante kWh.gross	Industrial (I)	2016	N/A	N/A	429,138,678	575,639,448	359,744,550	218,201,027	1,007,410,869	979,964,629	953,111,406	794,469,219		Baseline data is reported consistent with primary sector groups in CDARS PROCEASE operations and align with arbitroriestent reported in 2016 Annual Baseline Turgers upon we relate the 2016 Presention districts discussional and the section of the
241	Plates .	AGE S15	31	kWh	S1: Snergy Savings	Metric First year annualised and lifecycle examte (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle av ante kWh gross	Industrial (I)	2016	N/A	N/A	429,129,678	575,649,668	254,744,550	219,201,027	1,007,430,869	979(964(629	952,111,406	794,669,219		CPUC-adopted goals in 0.37-09-025.
292	PG&E .	AGR Ins	Si	kWh	S1: Energy Savings	Metric First year annualized and lifecycle ex-anne (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle se ante kWh net	Industrial (II)	2016	N/A	N/A	317,604,109	373,991,178	301,762,062	163,089,411	774,450,010	753,350,634	732,707,161	610,750,503	456,545,516	Basedon data in regroted accidente allo places procure progress in CEASE (ADMINISTRATION OF CEASE AND ADMINISTRATION OF CEASE AND ADMINISTRAT
						demand savings (gross and net) in industrial sector															Asport. Torpet were on using the 2019 Potential and Goals Study, consistent with CRUC adopted goals in 0.17-09-025.
222	PGEE	AGR Ins	51	Them	S1: Snergy Savings	Metric First year annualized and lifecycle evante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle av ante Therm grass	industrial (I)	2016	N/A	N/A	42,101,250	63,496,533	27,274,929	66,254,250	62,859,441	64,858,972	68,066,515	110,850,361	128,408,086	Seation on the responsed activations with property sold SEAS Association of the response of th
-																					CPUC-adopted goals in 0.17-09-025.
234	PG&E	AGR Ins	Si	Them	S1: Snergy Savings	Metric First year annualized and lifecycle evante (pre-evaluation) gas, electric, and demand savings (gross and net) in industrial sector	Lifecycle av ante Therm net	Industrial (I)	2016	N/A	N/A	29,338,609	40,115,565	29,355,687	43,322,786	44,023,720	45,424,095	47,670,503	77,634,245	89,930,829	Basedon data in regroted accidente allo places procure progress in CEASE (ADMINISTRATION OF CEASE AND ADMINISTRATION OF CEASE AND ADMINISTRAT
235	PG&E .	AGB In2	G	MT CODeq	GHG	Metric Screenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual	CO2-equivalent of net annual KWh savines	Industrial (I)	2016	N/A	N/A	17,163	13,391	2,582	1,818	37,815	36,800	35,916	31,130	25,564	Calculated using CET, and reported by sector consistent with primary sector includes (700 but not MM and BM10 or these area of GRE analysis over
236	PGES .	AGR Init	P1L	Percent	P1: Penetration of energy efficiency programs in the	Metric Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for large outlanners	Industrial (II)	2016	170	2,478	686%	0	5.73%	2.07%	7.55%	7.55%	7.55N	7.20%	7.07%	Numerator: Number of participating large customers (defined by unique participation is defined as the first instance of participation. Large customers are participation is defined as the first instance of participation.
-					eligible market: Percent of Participation P1: Penetration of energy																denomination from number of large customens in the security defined by unique and contributions of security or contribution of the security defined by unique and contributions of security or contribution of security or contribution of security or contributions of security or contribution or contribution of security or contribution or co
237	PG&E	AGE In3	PIM	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric Percent of participation relative to eligible population for small, medium and large-customers	Percent of participation relative to eligible population for medium customers	Industrial (I)	2016	299	11,628	2.57%	0	2.42%	0.36%	2.82%	2.82%	2.82%	2.70%	2.65%	combination of account and premise (a) Secondary Total number of medium countment in the sector (defined by unique combination of countment of medium countment in the sector (defined by unique combination of account and oranize (b)
238	PG&E .	AGE Init	PIS	Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric Fercent of participation relative to eligible population for small, medium and large-customers	Percent of participation relative to eligible oppulation for small customers	industrial (I)	2016	302	49,281	85.82%	0	0.46%	0.02%	0.67%	0.67%	0.67%	0.64%	0.62%	Internation I and an implementary of the control of
-					Participation																Numerator: Annual number of lives industrial natirinants the seniors account?
229	PG&E .	AGR Inti	PSL	Percent	New participation	Percent of customers participating that have not received an incentive for indicator the past three years, annually, by small, medium and large customer categories	Percent of large customers participating in reporting year that have not received an incentive for the past three years	Industrial (I)	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	N/A - Indicator	the sector
240	PG&E .	AGR Inti	PSM	Percent	New participation	Percent of customers participating that have not received an incentive for Indicator the past three years, annually, by small, medium and large customer categories	Percent of medium customers participating in reporting year that have not received an	Industrial (II)	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	N/A - Indicator	Numerator: Annual number of medium industrial participants (by service account) that have not received an incensive for the part 2 years Medium customers are defined as those who use between 40,000-600,000kWh or
																					Denominator: Total number of unique medium industrial account and premise fils: \$1,000-150,000 thems proubly. In the sector:
261	PG&E	AGE Inti	PSS	Percent	New participation	Percent of customers participating that have not received an incentive for the past three years, annually, by small, medium and large customer categories	Percent of small customers participating in reporting year that have not received an incentive for the past three years	industrial (I)	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	N/A - Indicator	Numerator. Annual number of small industrial participants, by service accounts; That have not excluded in increase for the page of years. Small constances are defined as those who see here than 46,000 Yeah or 10,000 Commissions for industrial or discipant and industrial account and premise this. The means annually The commissions of the constances or commissions account and premise this.
																					The survival of the survival o
242	PG&E	AGB InS	uc	S/kW	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	PAC Levelized Cost (S/kW)	Industrial (I)	2016	\$ 15,943,141	\$3,710	\$ 296.84	227	\$ 262.65	\$ 341.33	\$ 296.84	\$ 296.84	S 206.84 S	281.99 \$	281.99	The Come is Sectic Amerita; Tracel Benefits; Tracel Benef
							1														The adopted avoided out methodology does not provide information to provide a mesoningful value for TRC or PRC Cost per VW.
249	PG&E .	AGR Ins	LC	S/kwh	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	PAC Leveliand Cost (S/KWh)	Industrial III	2016	\$ 15,943,141	317,604,109	\$ 0.05		s em	s 0.04	s 0.05	s o.es	s 0.05	0.048 \$	0.048	ASC and par With to are there on par With 2 fact is basic identification of the part of th
				grand	Loss per sittle Shield	and PAC)		- American (t)			,,	3.00		2.00	304	-	1		,	200	CDAS PROGRAM specification.
264	PG&E .	AGR INS	uc.	S/therm	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and KW Juse both TRC and PACI	PAC Levelized Cost (S/therm)	Industrial (I)	2016	\$ 10,797,108	29,338,609	\$ 0.37		\$ 0.39	\$ 0.43	\$ 0.37	s 0.37	s 0.37 s	0.35 \$	0.35	All couple with a per share a previous in SecClus Security Security Couple and Republications are served in SecClus Security Couple security Couples
-		+					-				-					-	<u> </u>				nepectively
24¢	PG&E .	AGR Ins	uc.	S/kW	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)	TRC Levelized Cost (S/kW)	Industrial (I)	2016	\$ 25,401,923	53,710	\$ 472.94	363	\$ 279.55	\$ 451.77	\$ 472.94	\$ 472.94	s 472.94 S	449.30 S	469.30	Tax case and this pare demon are let the Tax Cast General Annual
-				-Caran		and PAC)					1,520										The adopted availed cost methodology does not provide information to provide a
	PGES .	AGR Ins	LC .			Metric Levelloed cost of energy efficiency per kWh, therm and KW (use both TRC and PAC)			2016	\$ 25,401,923	317,604,109									0.076	TRC cost per kWh or per therm or per kW is (TRC Cost s Discric Benefits,/Total
246	Publi	nue Inti	SE.	S/kwh	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and kW Juse both TRC and PAC)	rec sevelized Cost (S/kWh)	Industrial (I)	2016	, 25,401,923	x17,604,109	\$ 0.08	٥	. 0.05	, 0.05	\$ 0.00	\$ 0.08	* 0.08 S	0.076 \$		
247	PG&E .	AGR INS	LC	S/therm	Cost per unit saved	Metric Leveloed cost of energy efficiency per kWh, therm and KW Juse both TRC and PAC)	TRC Levelized Cost (S/therm)	Industrial (I)	2016	\$ 17,202,834	29,338,609	\$ 0.59		\$ 666	\$ 667	\$ 0.59	s n.ca	s 0.00 c	956 6	454	This cost per kinh or per there or per kin's (This Cost is Beach's Beenfug) Total Beenfug) Chipscych het kinh or (This Cost is Cost is Beach's Cost is Beach's Chipscych het kinh or (This Cost is Cost is Beach's Be
				A. James	-an per son swell	and PAC)					,,	. 0.39								0.00	
340	PG&E .	AGR In6	S2 Per	vceet first year	S2: Percent Overall Sectoral	Metric Reduction in consumption (proposed by SCS and SDGBE)	Percent first year annual kW eross	Industrial III	2016	10,546	6,916,777	0.15%		0.07%	0.04%	0.23%	0.23%	0.24%	0.21%	0.16%	Numerator + Metric IN 1 Personizator + Total sectoral usage from PGEE database Defend as savings are personal usage from PGEE database Defend as savings are percentage of sectoral usage, based on conversations
			an	noual kW gross	Savings					20,960											Projected usage remains steady through 2005 in accordance with projections from Detriment PAs and ED. CSC caller data presented in the 2018 Potential and Goals Goody "Med" case.
				epect feyt was	S2: Percent Quanti Cartural						1										Numerator - Metric NL1 Denominator - Total sectoral usage from PGEC database Oeffond as cavinas as a percentant of sectoral usage from PGEC database Oeffond as cavinas as a percentant of sectoral usage. Asset on conversators.
249	PG&E .	AGR In6	S2 Per	nnual kW net	Savings	Metric Reduction in consumption (proposed by SCE and SDG&E)	Percent first year annual kW net	Industrial (I)	2016	7,653	6,916,777	0.11%	۰	0.06%	0.02%	0.17%	0.17%	0.17%	0.56%	0.54%	Demonstrator Todal extrator sugge than PACA distributes Defined a superimitar each of investor to the SCE service and projection than between PAL and SC. CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Country Todal CC uses date prevention on the SCE service control today for Count
250	PGES	AGR In6	S2 Per and	rcent first year nual kWh gross	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (proposed by SCE and SDGB-E)	Percent first year annual kWh gross	Industrial (I)	2016	48,200,588	9,748,274,828	0.49%	0	0.30%	0.25%	116%	112%	1.10%	0.92%	0.68%	Multivator of the City of the
ь						1 1	1	1	1	L	L		·	1	l	l					

Attachmer	t 4, Table 19	
PA Name	Parific Gas and Electric	

PA Name Budget Y	it 4, Table 19 Pacific Gas and E ar: 2021	ectric						_	Baseline			A	ctual			Short Term Target				1
Index	PA AZA Pa	ATA Metho e Order Code	od Units of Measurement	Metric Type	Metric/ Indicator Business Plan Att A Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2010	2020	Mid Term Target (2023-2023) Cumulative	Long Term Target (2036-2025) Cumulative	Methodology Key Definition Proxy Explanation FLLG
261	PGBE ADB	in6 52	Percent first year annual kWh net	S2: Percent Overall Sectional Savings	Metric Reduction in consumption (proposed by SCS and SDG&E)	Percent first year annual kWh net	Industrial (I)	2016	37,054,341	9,748,274,828	0.28%	0	0.25%	0.20%	0.84%	0.82%	0.80%	0.69%	0.57%	Successor Section 2012 Committee or Facility Consideration 2 The
262	PGBS A08	in6 52	Percent first year annual Therm gros	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (proposed by SCE and SDGB.E)	Percent first year annual Therm gross	Industrial (I)	2016	3,038,179	4,144,958,996	0.07%	0	0.09%	0.17%	0.11%	0.11%	0.12%	0.19%	0.22%	Management and R.1 Management and State According to the MGE destinate Management and strong to MGE destinate Management and strong to MGE according to the projection to the strong to MGE according to the MGE accordi
253	PGBS A08	In6 52	Percent first year annual Therm net	S2: Percent Overall Sectional Savings	Metric Reduction in consumption (proposed by SCS and SDG&E)	Percent first year annual Therm net	Industrial (I)	2016	2,127,794	4,144,958,996	0.05%		0.07%	0.11%	0.10%	0.11%	0.11%	0.16%	0.19%	As demand an experiment of the distribution of
254	PGBS AGR	in6 52	Percent lifecycle ex anne kW gross	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (prepared by SCE and SDG&E)	Percent Mecycle ex-ante kW gross	Industrial (I)	2016	75,129	6,816,777	1.0%		0.84%	0.48%	1.62%	1.66%	1.68%	1.49%	1.14%	Numerator v Moral IN 1 December 1 Table in storm vage from PASS database
				Samp																Projection agreement cases formed 2016 in Constitution 1 (and the constitution
265	PGBS AGB	in6 52	Percent lifecycle ex ante kW net	Savings	Metric Reduction in consumption (proposed by SCS and SDG&E)	Peccent lifecycle ex-ante kW net	Industrial (I)	2016	\$9,710	6,916,777	0.78%	٥	0.70%	0.32%	118%	1.20%	122%	1.08%	0.82%	Projection agreements made frames (2015 on the projection test) Consideration provides deliberation and confidence and projection test Consideration provides deliberation and confidence and confidenc
256	PGES AGE	in6 52	Percent lifecycle ex ante kWh gross	S2: Percent Overall Sectional Savings	Metric Reduction in consumption (proposed by SCS and SDG&E)	Percent lifecycle ex-ante kWh grass	Industrial (I)	2016	429,138,678	9,748,274,828	4.60%	0	3.79%	2.42%	10.32%	10.05%	9.78%	8.15%	6.09%	Inglinid suggestable deap formula deaph formula 2021 in another with projection loss. Inglinid suggestable deaph formula 2021 in another with projection loss. Instead to all projections and the control of the contr
267	PGBS ADB	in6 52	Percent lifecycle ex antie kWh net	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (proposed by SCE and SDG&E)	Percent Effecycle ex-ante kWh net	Industrial (I)	2016	317,604,109	9,748,274,828	2.26%	۰	3.18%	1.81%	7.94%	7.72%	7.52%	6.27%	4.68%	Projected usage remains steady through 2005 in scordance with projections to see CCC cales data presented in the 2016 Persential and Goals Study "Mell" case.
258	PGBE ADB	in6 52	Percent lifecycle ex ante Therm gross	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (proposed by SCS and SDG&E)	Percent lifecycle ex-ante Therm gross	Industrial (I)	2016	42,101,250	4,144,958,996	1.02%	0	0.77%	1.40%	152%	150%	1.64N	2.67%	3.10%	Sensetives in the control of the con
259	PGES AGE	in6 52	Percent lifecycle es ante Therm net	S2: Percent Overall Sectoral Savings	Metric Reduction in consumption (proposed by SCE and SDGBE)	Percent lifecycle ex-ante Therm net	Industrial (I)	2016	29,338,609	4,144,958,996	0.71%	0	0.60%	0.92%	1.06%	1.10%	1.15%	1.87%	2.17%	International trace in East Section 2015. International trace in the Section 2015 of Section
260	PG&E A09	A1 51	kw	SS: Snergy Savings	Metric First year and lifecycle on ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net	d First year annual KW gross	Agricultural (A)	2016	N/A	N/A	23,551	18,457	12,302	10,526	10,350	11,373	12,090	12,290	12,556	Basildes data is reported conscioure with grown years prough or CESSES Figure 1 Sept.
261	PGBS A09	A1 51	kW	St: Energy Savings	Metric First year and lifecycle on ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, goos and not	d First year annual KW net	Agricultural (A)	2016	N/A	N/A	17,191	12,128	8,008	6,550	8,720	9,474	9,998	10,221	10,754	Baseline data in insported cancisters simi princary sector groups in CRAMS ROCOMM specification and only greate the information reported in 2016 Aromal Report. Target severe set uning the 2018 Persental and Gasals Study, consistent with Note Note To consider the local CRAMS of the CRAM
262	PGBS A09	A1 51	kWh	St: Greegy Savings	Metric First year and lifecycle or ante (pre-evaluation) annualized gas, electric, and demand casings in apriculture sector, gross and net	d First year annual 100th gross	Agricultural (A)	2016	N/A	N/A	76,257,392	59,866,742	37,334,735	28,361,055	64,751,466	71,595,603	75,954,461	73,886,455	67,750,780	Searcher data in Improved acceleration with principle special CSBASS (CSBASSE ACCELERATION ACCE
263	PGBE A09	A1 51	kWh	St: Energy Savings	Metric First year and lifecycle ex ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net	d First year annual KWh net	Agricultural (A)	2016	N/A	N/A	54,914,559	38,994,338	25,206,111	18,712,796	51,027,868	55,750,891	58,743,662	57,946,784	56,179,829	baseline data in imported consistent with principal scale (SAMA) Application of the control of
264	PGBS A09	A1 51	Them	SS: Snergy Savings	Metric First year and lifecycle on ante (pre-evaluation) annualized gas, electric, and demand cavings in agriculture sector, gross and not	d First year annual Therm gross	Agricultural (A)	2016	N/A	N/A	1,113,179	1,170,630	406,662	129,686	360,106	341,380	339,186	436,144	\$70,658	Baseline data in ingrands carelations with principal years (2006.55 (2006.000 and questions and large with subheavement principal 2016.6 hexatol layout. Target was set using the 2018 Fermettian of calls Scale, consistent with (2006.000 and paging also in 2017.000 dec.)
265	PGBE A09	A1 51	Them	St: Energy Savings	Metric First year and lifecycle on ante (pre-evoluation) annualized gas, electric, and demand savings in agriculture sector, gooss and net	d First year annual Therm net	Agricultural (A)	2016	N/A	N/A	871,717	705,092	246,683	85,943	417,288	410,246	411,919	481,756	584,018	Sealer fail is reproduct excellent 4th (Paris) most propule (2014) Modification confidence and the sub-independent propulation (2014) Modification confidence and the sub-independent propulation (2014) Modification (2
266	PGBS A09	A1 51	kW	S1: Snergy Savings	Metric First year and lifecycle es ante (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, gross and net	d Lifecycle ex-ante KW gross	Agricultural (A)	2016	N/A	N/A	178,362	137,016	81,667	110,071	78,342	86,085	91,509	92,949	95,039	States and to recognite distinctive with primary serginary CLBMS. PORTIONS of the CLBMS of the
267	PGBS A09	A1 51	kW	S1: Snergy Savings	Metric First year and lifecycle or ante-(pre-evaluation) annualized gas, electric, and demand swings in agriculture sector, gross and not	d Lifecycle aw ante KW net	Agricultural (A)	2016	N/A	N/A	120,201	89,341	54,360	65,094	\$7,152	62,801	66,758	67,808	69,222	Marker facility compand animative with primary surgery or (1984) Marker facility compand animative with primary surgery or (1984) Marker facility and primary surgery or (1984) Marker facility and primary or (1984) Marker facility and (1984) Mar
268	PGBS A09	A1 S1	kWh	St: Energy Savings	Metric First year and lifecycle on ante (pre-evoluation) annualized gas, electric, and demand cavings in agriculture sector, gross and not	d Lifecycle aw anna KWh grous	Agricultural (A)	2016	N/A	N/A	698,948,565	570,126,033	251,386,871	302,852,673	592,712,016	655,360,826	695,260,269	676,230,475	630,166,676	Market earn or supported and statement with primary surgered and SEES of the S
269	PGBS A09	A1 S1	-	St: Energy Savings	Metric First year and illecycle on ante (one-evaluation) annualized gas, electric, and demand savings in agriculture sector, goes and not		Agricultural (A)	2016	N/A	N/A	481,725,607	369,145,011	174,700,778	198,957,261	426,280,981	471,338,369	500,034,117	486,419,730		Sealer of the Injury of an allower with privary year (2004). The Company of the Injury
270	PGBS A09	A1 51		St: Energy Savings	Metric First year and illecycle on arts (pre-evaluation) annualized gas, electric, and demand useings in agriculture sector, gross and net		Agricultural (A)	2016	N/A	N/A	10,127,212	16,053,724	4,557,496	1,725,341	3,279,356	3,108,819	3,088,961	3,971,902	5,196,771	Seales from 1 compand an allower and primary serger and CDMS4 (MOSA) and questions and the seal investments of primary services and legact. Tapper and care part of 200 MS and legact. Tapper and care part of 200 MS and legact. Tapper and care part of 200 MS and legact. Tapper and care part of 200 MS and legact part of 200 MS and legact. Tapper and care part of 200 MS and legact p
271	PGBS A09	A1 S1	Them	St: Energy Savings	Metric First year and lifecycle or arte (pre-evaluation) annualized gas, electric, and demand savings in agriculture sector, goos and not Metric Greenhouse gasses (MT CCDeg) Net NWh savings, reported on an annual		Agricultural (A)	2016	N/A	N/A	7,013,911	9,695,419	2,729,233	1,063,153	2,568,024	2,434,478	2,418,824	3,110,270	4,069,529	PAGGAMA specification and aligns with adviewment reported in 2013 Annual Specification and advisors of the specification of the specification of the specification of the specification of COUC-adopted goals in 0.17-08-025.
272	PGBS A09		MTCCORq spant Percent	GHG P1: Penetration of energy efficiency programs in the eligible market: Percent of	Metric begins the first current was severed as a secured begins and begins customers and begins customers.		Agricultural (A)	2016	N/A	N/A 2,581	24,977	17,490	2,659	1,968	23,213	25,356	26,718	26,855	25,552 7.9%	Hope In Target were and any time 2018 Procedured and Cash Endo, consistence with Conduction any and a 100 Cash Cash Cash Cash Cash Cash Cash Cash
278				Participation		Percent of participation relative to eligible population for large outtomers			262											Concentrator: Total number of large outcomers in the sector (infined by seigne starbinistics of amount and sevents (in a proposition of the sector (infined by seigne starbinistics of amount and sevents (in a proposition of the sector (infined by seigne amount). **Sector (infined and optioning medium customers) (infined by seigne Amounts (in the set optioning medium customers) (infined by seigne **Sector (in the sector (in the sect
274	PGBS A09	All PS: Partic	spant Percent	P1: Penetration of energy efficiency programs in the eligible market: Percent of Participation	Metric Percent of participation relative to eligible population for small, medium and large customers	Percent of participation relative to eligible population for medium customers	Agricultural (A)	2016	920	30,050	2.0%	٥	1.64%	0.72%	2.0%	3.0%	2.0%	3.0%	3.0%	Numerators. Next and participating medium constrains (softend by various constraints of a forest profession () Sumministrator (See number of medium constraints) (softend by various softend in the See number of medium constraints) (softend by various softend in the See number of section constraints) (softend by various softend in the See number of See number of section (See number of
275	PGBS A09	A3 P1: Partic	gant Percent	91: Penetration of energy efficiency programs in the eligible market: Percent of Burtification	Metric Percent of participation relative to eligible population for small, medium and large customers.		Agricultural (A)	2016	581	81,390	0.72%	0	0.42%	0.17%	0.72%	0.72%	0.72%	0.72%	0.72%	Secretaries Mental and another of trap processors in the resident processors of the resident processor
276	PGBS A09	Ad LC	\$/kW	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TAC and SHC)	PAC Levelized Cost (\$/kW)	Agricultural (A)	2016	\$ 21,039,789	120,201	\$ 175.04	178	5 191.04	\$ 155.32	\$ 175.04	\$ 175.04	S 175.04 S	166.29 \$	166.29	The adopted avoided cost methodology does not provide information to provide a meaningful value for TRC or PAC Cost on W.
277	PGBE A09	Ad LC	SAMA	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (%/kWh)	Agricultural (A)	2016	\$ 21,039,789	491,735,607	\$ 0.044		S 0.059	\$ 0.051	\$ 0.044	\$ 0.044	S 0.066 S	0.041 5	0.041	Mix con part with a yer them or yer with a (Mix Clear Limin-Clearfully (Final learning Unity), where with a VM. Clear Limin-Clearfully (Final learning Unity), where the VM. Clear Limin Learning Unity (Final learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which can be a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity), which is a second part of the Clear Limin Learning Unity (Final Limin Learning Unity
278	PGBS A09	Ad LC	S/therm	Cost per unit saved	Metric Leveland cost of energy efficiency per kWh, therm and kW (use both TAC and SAC)	PAC Levelized Cost (\$/therm)	Agricultural (A)	2016	\$ 2,281,643	7,013,911	\$ 0.32	0	5 0.68	\$ 0.60	\$ 0.325	\$ 0.325	s 0.325 s	0.309 \$	0.309	No. compared to graph errors and press of places, Compared to the Compared to
279	PGBS A09	AM LC	S/kw	Cost per unit saved	Metric Levelland cost of energy efficiency per KWh, therm and KW (see both TSC and PMC)	TRC Levelized Cost (S/VW)	Agricultural (A)	2016	\$ 40,771,778	120,201	s 339.20	296	\$ 648.54	\$ 200.27	\$ 239.20	\$ 229.20	s 339.20 s	322.24 \$	222.24	TAC cost per Valle or per them or per KWI (TAC cost is Generic Benefits) final benefits) (Vallecy) the KWI final Cost is Generic Benefits) (Vallecy) the KWI final Cost is Generic Benefits) (Vallecy) the KWI final Cost is Generic Benefit (Vallecy) the KWI final Cost is destributed (Vallecy) the KWI final Cost is variety (Vall
290	PGBS A09	Ad LC	S/kmh	Cost per unit saved	Metric Levelland cost of energy efficiency per kWh, therm and kW (use both TAC and PAC)	TRC Levelized Cost (S/Wh)	Agricultural (A)	2016	\$ 40,771,778	481,725,607	s 0.085	0	\$ 0.140	\$ 0.109	\$ 0.065	s 0.085	s 0.085 s	0.000 \$	0.000	The displaced and an extra displacing data are an extra displaced and extra
281	PGBS A09	Ad LC	S/therm	Cost per unit saved	Metric Levelland cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TeC Levelized Cost (5/therm)	Agricultural (A)	2016	\$ 4,421,075	7,013,911	\$ 0.44		\$ 1.50	\$ 129	\$ 0.63	s 0.00	s 0.62 s	040 S		Microsi part with part referred age is the STEPLE CLASS of STEPLES and ADMITTAL STEPLES ADM
282	9W A10	CS1 S1	Net GWh	S1: Energy Savings	Metric Net Greegy Savings: GWH	Net Gilth savings	Codes & Standards (CS)	2016	N/A	N/A	1,402	1,889	1,450	1,327	1212	1257	1267	1327	1923	2008-2025 consistent with adapted goals from 0.17-04-025, Tables 1,7, and 2,p. 27-06-205 from CDAAS (Qollewer on United Associated, Values summed across all floar DOA's "Short CDAAS" (Qollewer on United Associated, Values summed across all floar DOA's "Short CDAAS" (Confidence on the Performance across all floar) DOA's "Short CDAAS" (Confidence on the Performance across all floar)
283	9W A10	CS1 S1	Not MM Therms	St: Energy Savings	Metric Net Energy Savings: MM Therms	Not MMTherms savings	Codes & Standards (CS)	2016	N/A	N/A	29	42	45	45	42	42	49	56	55	2008-2015 Connitioner with adaptined gains from 0.12-06-025; Tables 1, 2, and 3, p. 329-305 (see CLOMAS Equilibreum cert included), Values summered caress all four 60.0. "Saving" is distribute and first year scaling. 60.0. "Saving" is distribute and first year scaling.
284	9W A10	CS1 S1	Net MW	SS: Snergy Savings	Metric Net Greegy Savings: MW	Net MW cavings	Codes & Standards (CS)	2016	N/A	N/A	272	346	222	298	272	275	311	289	415	Date 20 common with earlier of the Date 20 common with an Date 20 cold Co. Howe L. L. And J. J. Date 20 common with an Date 20 cold Co. Howe L. L. And J. J. Date 20 cold common with an Date 20 cold cold cold cold cold cold cold cold
285	9W A10	CS2 1	Count	Advocacy-fluiding	Number of measures supported by CASS studies in rulemaking cycle Instrument world?	Number of measures supported by CASS studies in colorables curie increast works	Codes & Standards (CS)	2016	N/A	N/A	12	23	64	0	N/A	N/A	12	12	12	Measures supported by CASS Security Sec

Attachment 4, Table 19
PA Name: Parific Gas and Electric

Attachm PA Name	nt 4, Table 19 : Pacific Gas and E rar: 2021	ectric																,		•		
Budget Y	PA ADAPA SW A10	ATA Method	d Units of Measurement	Metric Type	Metric/ Indicator Business Plan Att A Description	Metric	Sector	Year	Baseline	Denominator	2016	2017	ctual 2018	2019	2018	Short Term Target	2020	Mid Serve Surget (2003-0020)	Long Term Target (2036-2026)	Methodology	Key Definitions	Proxy Explanation FLAG
286	9W A10	CS2 2	Count	Advocacy-fluiding	Indicator Burniness Plan Att A Description Metric Number of measures adopted by CKC in rulemaking cycle (indicator of service)	number of measures adopted by CEC in mismaking ruris (indicator of part work)	Codes & Standards (CS)	2016	N/A	Denominator N/A	12		57	0	N/A	N/A	12	Mail Seem Engol (2003 3003) Controllation 12	Comulation 12	Measures adopted by CEC	Rey Determinant Resuline and targets for measures supported are for 3 year cycle rather than annual	
297	9W A10	CSS 1	Count	Advocacy-Appliance	Metric Number of T-30 measures supported by CASS studies in rulemaking cyc (current work)	de Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2017	N/A	N/A	s	s	4		N/A	N/A	6	10	10	T-30 measures supported by CASE	Sizueline is annual. Targets for measures supported are for it year cycle rather than annual. 2017 chosen as baseline since 2016 was zero.	
298	9W A10	CSS 2	Count	Advocacy-Appliance	Metric Number of measures adopted by CSC in current year	Number of measures adopted by CEC in current	Codes & Standards (CS)	2016	N/A	N/A	4		3	2	N/A	N/A	10	10	10	Measures adopted by CSC	than annual. 2017 chosen as baseline since 2016 was zero. Raseline is annual. Targets for measures adopted are for 2 year cycle rather than annual.	
289	9W A10	CS4 1	Count	Advocacy-Federal	Metric Number of federal standards adopted for which a utility advocated (IOI to list advocated activities)	Number of federal standards adopted for which a utility advocated (IOUs to list advocated	Codes & Standards (CS)	2016	N/A	N/A	22	7	0	1	21	21	21	20	20	Standards adopted	Baselines and targets are annual. Any federal standards based upon Title 20 that were adopted will still be included in the federal count.	
290	9W A10	CS4 2	Count	Advocacy-Federal	to list advocated activities Metric Percent of Indensi standards adopted for which a utility advocated (IRC) supported / it OCS adopted)	Percent of federal standards adopted for which utility advocated (#IOU supported / # DOG	Codes & Standards (CS)	2016	N/A	N/A	100%	100%	N/A	4%	100%	100%	100%	100%	100%	#10th supported + #006 adopted	Sassifines and targets are annual.	
																				# DOL Sappsed		
291	9W A10	CSS 1	Count	Reach Codes	Metric The number of local government Reach Codes implemented (this is a joint NOV and RSN effort)	int The number of local government Reach Codes Implemented (this is a joint IOU and REN effort)	Codes & Standards (CS)	2016	N/A	N/A	6	12	s	10	N/A	N/A	25	25	25	Reach Code ordinances implemented	Targets are total for a three-year Tide 24 code cycle. Jurisdictions having multiple reach codes will be counted by reach code rather than by jurisdiction. Accomplishments will be reported from the CSC Reach Codes website	
						Number of training activities (classes, webinant)															(http://www.energy.cs.gos/fitle24/2012standards/ordinances/).	
292	9W A11	CS6 1	Count	Compliance improvement	Number of training activities (classes, webinars) held, number of marks action participants by segment (e.g. building officials, builders, architec	t held, number of market actors participants by ts, segment (e.g. building officials, builders,	Codes & Standards (CS)	2017	N/A	N/A	128	118	191	190	138	138	128	128	128	Number of training activities	118 Eve training sessions and 20 webinars in 2017; short, mid, and long-term targets are annual	
					Number of training activities (classes, webinary held, number of marks) anno participants by segment Jeg, building officials, builden, stribber of excit and the she total size (sumber of the target audience) by sector. (Number of training activities	 architects, etc.) and the the total size (number of the target audience) by sector. (M) Number of training artholise 	1														targets are annual	
						Number of training activities (classes, webinars)																
293	9W A11	CS6 2	Count	Compliance Improvement	Number of training activities (classes, weblinard held, number of marks among participants by segment leg, building officials, builden, architecture sec_land the textual size jumper of the target audience) by sector. (I	Number of training activities (classes, webinan) to held, number of market actors participants by sugment (e.g., building officials, buildens, all architects, etc) and the het stall size (number of the target audience) by sector. (M) Number of numbers of numbers of participants.)	Codes & Standards (CS)	2017	N/A	N/A	3,600	3,000	4,970	3,610	3600	3600	3600	3600	3600	Number of participants	3000 attendees for live training and 600 attendees for webinast in 2017; short, mid, and long-term tragets are annual. Attendees will be shown by major segment (i.e., building officials, builders, architects, HERS steers) and target size of each segment will be provided during first metrics reporting.	
					ect, and the the obtainable of the target audience) by sector. (I Number of participants	the target audience) by sector. (M) Number of participants															segment will be provided during first metrics reporting.	
																					Code compliance knowledge increase will be texted via pre and post training questionaires. Surveys will be conducted for training that bests longer than three hours (in order to preserve time for instruction in shorter training sections).	
294	9W A11	CS6 3	Score	Compliance improvement	Metric Increase in code compliance knowledge pre/post training	Increase in code compliance knowledge pre/postraining	Codes & Standards (CS)	2017	N/A	N/A	20%	20%	18%	18%	20%	20%	20%	20%	20%	Knowledge score	questionaires. Surveys will be conducted for training that sorts onger than three hours (in order to preserve time for instruction in shorter training sessions). Questionaires will be made available during the first metrics reporting.	
~	REN A11		Percent		The percentage increase in closed permits for building projects triggeria	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions		2018	N/A	N/A.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N,OL	N/A			
200	NAN ATI	CMAR 1	Percent	Compliance Improvement	The percentage increase in closed permits for building projects triggers energy code compliance within participating jurisdictions		Codes & Standards (CS)	2018	N/A	N/A	N/A	N/A	N/A	N/A	NA	N/A	N/A	No.	N/A			
296	REN A11	CS681 1	Count	Compliance improvement	Number and percent of jurisdictions with staff participating in an Energ Policy Forum	y Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	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	N/A - Indicator			
297	REN A11	CS68i 1	Percent	Compliance improvement	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	y Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	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	N/A - Indicator			
298	REN A11	CSGRI 2	Count	Compliance immensus	Indicator Number and percent of jurisdictions receiving lineagy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	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	N/A - Indicator			
_				e reproveitett																		
299	REN A11		Percent	Compliance improvement		Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	my/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - indicator	N/A - Indicator			
300	REN A11	CSSRI 3	Count	Compliance improvement	Indicator Suidings receiving enhanced code compliance support and delivering compliance data to program evaluators	mundings receiving enhanced code compliance support and delivering compliance data to constant evaluation.	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	my/A	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator			
																					"Collaborations" mean sharing mutually-beneficial resources such as training materials, expertise, and marketing/outreach tactics that help achieve WE&T goals	
																					and outcomes and that support the collaborating organizations' goals and objectives.	
301	PGRE A12	W67-1 1	Count	Collaborations	Metric Number of collaborations by Business Plan sector to jointly develop or	Number of collaborations by Business Plan	Workforce Education and Training (WET)	N/A	N/A	N/A	N/A-PG&E did not execute collaboration agreements in 2016	N/A	N/A	s	N/A	s	6				The targets are based on interviews with PGBS staff. PGBS does not anticipate a	
801	Pulat A12	W61-1 1	Count	Conscorators	Metric Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources.	Training (WET)	N/A	ng n	400	2016	N/A	N/A		NA	,		*		starreque.	the progress of states in the number of collaborations, to rather tumous within our number of collaboration as activities become self-sustaining without the need for PGEC assistance. The 2018 target is set as NIA because PGEG does not currently have any signed collaboration agreements in place.	
																					Targets reflect number of agreements currently in place as of the referred time period.	
												al Residential: 3,680		a)								
											a) Residential: 2,457 Non-Res: 2,056 101AL: 6,513	Non-rec: 3,574 TOTAL: 7,254	a) 2,463 Res	Residential: 0,066 Non-residential: 0,596								
											TOTAL: 6,512	b) Architecture 1709 Audits 1425 Beechmarking 756	a) 3,463 Res 9,259 Non-res. TOTAL: 12,992	Total: 13,462								
											b) in order of popularity: HVAC 3,377	Benchmarking 756 Building Envelope 2038	b) in order of popularity: HVAC - 6919; Building Performance - 2742;	b) Agricultural: 306							Washington Co.	
											Commissioning/Cit 2,669 Lighting 1,729	Building Performance 3726	Building Performance - 2742; Building Envelope - 2552;	b) Agricultural: 206 Building Envelope: 2,252 Climate and Sustainability:2,540 Commercial Food Servior:2,617							"Sector" refers to: a. Residential versus non-residential b. Energy efficiency training topic area (e.g., Lighting, HVAC, Agriculture)	
											ZeroNetEnergy 1,725 Title26 1,672	Environment 957	Building Envelope - 2552; Controls - 2379; Commissioning (Cs) - 2318;	Commercial Food Service #617							"Participants" means aggregate class attendance, meaning that one person	
							Workform Education and				Controls 1,451 RuildingSnuelope 1,344 Stablassine 1 795	Controls 2198 Daylighting 528	integrated Building Design / 2NE - 2801; Energy Code (Tide 24) - 2255; Lighting -	Committee to 600	6 SNN Torrol (D ASI) res	6 S00 Total (2 #50 res	6 SOO Total 12 #50 can	6 500 Tetal 12 450 as and	6,500 Total (3,450 res and 3,050 nor		"Participants" means aggregate class attendance, meaning that one person attending two classes throughout the year would qualify as two participants. This is an accurate measurement of audience interest per topic / sector.	
302	PGBE A12	WET-2 1	Count	Penetration	Metric Number of participants by sector	Number of participants by sector	Workforce Education and Training (WET)	2016	N/A	N/OL	Audits 1,125 Audits 1,125 Architecture 1,013	Food Service S40 HVAC 3985	1704; Architecture - 1528; Renewable Energy - 1232; Climate and Sustainability -	Energy Code (Title 24): 3,352 Finance:221 Home Performance: 1,385	and 3,050 non-res)	6,500 Total (2,450 res and 2,050 non-res)	and 3,050 non-rec)	2,050 non-res)	ued e'zen iozail's'ero ser avo s'ozen uos	Report from class registration database.	PG&6 analyzed attendance rates since 2012 and discovered a high positive correlation (0.8) between unemployment rates in California and class attendance. Unemployment is not only an indicator of employment, but also the workload of	
											Renewables 956 Refrigeration 876	Marketing/Finance 172 Motors 456	Climate and Sustainability - 1082; Energy Auditing -	HVAC 5,142							Linemployment is not only an indicator of employment, but also the workload of the existing industry. In other words, when the workforce is busy, they do not have	
											In order of popularly: HACK 2372 III ord	Building Performance 2726 Cilinate and Convision 2016 Convision 2017 Convision 2016 Convision 2017 Convision 2016 Convision 2017 Convision 20	1082; Energy Auditing - 1080; Solar - 784; Water and Energy - 524; Daylighting - 508; Benchmarking - 455; Commercial Food Service -	Integrased Bioglossign / 2NC: 4,121 Lighting 2,619 Rates, Robate & Incertise Progr. 564 Renovable Fonegy: 1,787 Software (Analysis, Modeling):855 Water & Energy: 2,229 Water & Energy: 2,229 Other: 25							the existing industry. In other words, when the workforce is bury, they do not have time to attend as many disses. The unemployment rate has fallen since 2016, which means that attendance may fall as well. PGES will adjust the training format.	
											ClimateandEnvironment 771 Benchmarking 648	Refrigeration 562 Renewables 800		Lighting 2,919 Rates, Rebate & Incentive							(e.g., Offer online classes) and time (e.g., Offer night classes) in order to maintain our 2016 attendance figure.	
											Daylighting 644 WaterandEnergy 529	Site Planning 997 Software 175 Solar 781	Process/Manufacturing - 369; Software (Analysis, Modeling) - 240; Motors - 196; Finance - 114;	Progr. 964 Renewable Energy: 1,787 Software Marshell								
											Software 426 FoodService 234	Tele24 1268 Water and Energy 794	Modeling) - 240; Motors - 196; Finance - 114;	Modeling):#55 Water & Snergy: 2,229								
											managrazas.	Zero Net Energy 2413		Other: 25								
																					"Participation" means unique participants, meaning that one person attending two disses throughout the year would be counted as one participant.	
																				Numerator: from class registration database. Denominator: PGER's where of 221,000 jobs is approximately 122,080. Advanced change [Cancers; instructed PGER] upon clading: "Savegy Officiency accounts for the largest share of advanced energy jobs in California. About six in 10 advanced energy workers are employed in the Energy Efficiency sector; these Errors support over 221,000 jobs." Assume advanced lengty Efficiency jobs are commissional wife.	"Curriculum" refers to the portfolio of training programs and training materials offered by WE&T	
303	PG&E A12	WET-2 1	Percentage	Penetration	Metric Percent of participation relative to eligible target population for curricu	lum Percent of participation relative to eligible targe population for curriculum	Workforce Education and Training (WET)	2016	3450	132380	2.6% (3,450 unique participants)	2.70%	2.50%	3.10%	2.60%	2.60%	2.60%	2.60%	2.60%	sneigh sconorily instructe (Assa) import minding: "sneigh stricency accounts for the largest share of advanced energy jobs in California. About six in 10 advanced energy workers are employed in the Energy Efficiency sector: these firms support	"Eligible target population" refers to the energy efficiency labor workforce within	
																				over 221,000 jobs." Assume advanced Energy Efficiency jobs are commissente wit population for each PA territory. Population figures obtained from 2010 census.	рафияния саправили на сапонна с украилен.	
																					Austification for targets is consistent with justification provided for metric above.	
-		\vdash	1	1	+ +	Second of conditions						-	-			-						
304	PGBE A12	WET-3 1	Percentage	Diversity	Percent of total WEET training program participants that meet the definition of disadvantaged worker.	Percent of total WE&T training program participants that meet the definition of disadvantaged worker.	Workforce Education and Training (WET)	N/A	N/A	N/A	N/A	N/A	50.29%	47.30%	60%	60%	60%	60%	60%	The zip codes available in PG&E's database are a mix of home and workplace zip codes. Starting in 2019, PG&E will request home zip codes specifically.	Circulation based on students with valid CA (not just PG&E) sip codes. Numerator includes students with any CA sip code. Our 2018 records also do not include people who benefited from WEET through consultations, outnests classes, etc.,	
			1	1																		
						1															*Applies only to programs that install, modify, repair, or maintain ES equipment where the incortine is paid to an exity other than a manufacture, distributor, or restall or displayment. This applicability is unatified in Application that has language the July firm halling on worksizers standards. It excludes contracts task that these for upstrams incorrings, Codes and Standards, and mid-strams data those for page states.	
						1															July 9th ruling on workforce standards, it excludes contracts such as those for upstream incentives, Codes and Standards, and mid-stream distributor programs.	
						Percent of incentive dollars spent on contracts.*	and the second														"Demonstrated commitment" means that the vendor usanits a plan describing how the program will provide discladurate describing with improved access to career opportunities in the energy efficiency industry, that they regularly report the personage of their worldors qualifying at "discladurate period," and that they have long term targets for the personage of their worldorse qualifying as "Gisuburate."	
305	PGBE A12	WET-3 1	Percentage	Diversity	Metric Percent of incertive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Percent of incentive dollars spent on contracts* with a demonstrated commitment to provide career pathways to disadvantaged workers	Workforce Education and Training (WET)	N/A	N/A	N/OL	N/A	N/A	N/A	N/A	2%	2%	2%	5%	10%	uncovantaged worker tracking is currently not required by PA contract terms and conditions.	career opportunities in the energy efficiency industry, that they regularly report the percentage of their workforce qualifying as "disadvantaged", and that they	
						1															have long-term targets for the percentage of their workforce qualifying as "disadvantaged".	
						1															See "Disadvantaged worker" above.	
						1															Data to support this metric will be required by new third-party program implementers as part of the upcoming solicitations.	
	PGBS A12			†	Number Caser & Worldows Sendings: (746) professional de la case	Number Career & Workforce Readiness (CWR)	Windform Discretion or 4													CWO constraint does not use paint CWO SCA SCCI will be impact ANNA ANNA ANNA	Data to support this metric will be required by new third-party program implementers as part of the upcoming selfottations. This metric applies only to the Streender CNR program, which will help Casadvartaged Windows on the the energy dudings, and not technical upublic disease offered at the Gongy Centers. As the lead PA, PGAE will report on this metric for	
306	PGBS A12	WET-31 1	Count	Diversity	Indicator Number Career & Workforce Readiness (CWR) participants who have be employed for 12 months after receiving the training	participants who have been employed for 12 months after receiving the training	Workforce Education and Training (WET)	N/A	N/A	N/A	N/A	N/A - Indicator	N/A	N/A	N/A	N/A	N/A	N/A	N/A	CWR program does not yet exist. CWR 8FA/RFP will be issued Q3 2019 with expected launch mid-2020.	offered at the Energy Centers. As the lead PA, PGEC will report on this metric for the whole state	
307	SW A13	ETP-M1 1	Count	Research Prioritization	Number of TPMs initiated (gas and electric combined), including one Metric technology-focused pilot (TFP) TPM *This number will be updated ono third party contracts have been awarded.	Number of TPMs initiated (gas and electric combined), including one technology-focused plot (TFP) TPM	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	N/A	6 Electric and gas TPMs where initially developed in		0	4	and TPMs*	thd TPMs*	Data for this metric will be gathered from 3P TPM implementers annually.	1) Technology priority maps (TPMt) are defined in the Business Plan 2) Technology- focused pilot: See ETP-M7	
	5W A13	mun .		Annual Mark	third party contracts have been awarded. Methic Number of 19Ms updated "This number will be updated once all third party contracts have been awarded.	plot (TFP) TPM Number of TPMs updated	Smerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	N/A	2017 and 2018 respectively. N/A—Electric TPMs will be		-		thd TPMs*	thd TPMs*	Data for this metric will be gathered from 3P TPM implementers annually.	Socured pilot: See ETP-M7 1) Technology priority maps (TPMs) are defined in the Business Plan.	
			_	meneral Prioritization	party contracts have been awarded. Number of projects initiated "This number will be updated one will thin			2016	N/A	N/A	- April	N/A Sil		undated in 2000.	-		- 4				 Technology priority maps (TMMs) are defined in the Rusiness Plan. Technology priority maps (TMMs) are defined in the Rusiness Plan. 2) Projects are considered "initiated" when project budget has been approved and funding allocated. 	
309	5W A13	ETP-M3 1	Count of Project	Projects	Metric Number of projects initiated "This number will be updated once all this party contracts have been awarded.	d Number of projects initiated	Emerging Technologies (ET)	AUIL	N/A	N/A	61	ы.	47	44	0	0	61	thd projects*	tbd projects*	Data for this metric will be gathered from 3P TPM implementers annually.		
310	SW A13	ETP-M4 1	Count of Events	Outreach	Number of outreach events with technology developers with products year from commercialization, including new technology vendors, manufacturers, and entrepreneurs. "This number will be updated once	 Number of outreach events with technology developers with products <1 year from 	Emerging Technologies (ET)	2016	N/A	N/A.	5	s	4	5		2	3	tbd events*	tbd events*	Each ETP event will provide data for ETP-M4 and ETP-M5 simultaneously.***Cata for this metric will be gathered from TPM Implementers annually based on methodology to be determined.	"Technology developen" – Any organization or company that develops energy efficiency and demand response technology suitable for inclusion in PA incentive	
					manufacturers, and entreprecesur. "This number will be updated once third party contracts have been awarded.	winnerconsistion, including new technology vendors, manufacturers, and entrepreneurs															programs at "sweets" — bit summet, wedness, and in-person meetings, as proposed by ETP implementers.	
311	SW A13	ETP-MS 4	Count of Europe	Outreach	Number of outreach events with technology developers with products: Metric years from commercialization, including new technology vendors, manufacturers, and entrepreneum. "This number will be updated once	 Number of outreach events with technology developers with products <5 years from 	Smerging Technologies (ET)	2016	N/A	N/A	See ETP-M4	See ETP-M4	See ETP-M4	See ETP-M4	See ETP-M4	See ETP-M4	See STP-M4	See ETP-866	See ETP-M6	Each ETP event will provide data for ETP-M6 and ETP-M6 simultaneously. ** Data for this metric will be gathered from 2P TPM implementers annually based on methodology to be determined.	efficiency and demand response softwicelps validable for inclusion in All incentive programs 1) "Service"—" Sissemit, verbinars, and in-person meetings, as proposed by ETP implementars. 11 "Enchology developers" — Any organization or company that develops energy efficiency and demand response softwicelps validable for inclusion in All incentive programs 1,11 "Swent" — If Swenty, websauts, and in-person meetings, as appealed to 112 "Replacements.	
***	Ata				third party contracts have been awarded.	all commercialization, including new technology wendors, manufacturers, and entrepreneurs			,											methodology to be determined.	programs. 2] "Events" – ET Summit, webinars, and in-person meetings, as proposed by ETP implementers.	
312	SW As4	ETP-MG 1	Count of TFFs	Plots	Number of projects initiated with cooperation from other internal IGU Metric programs associated with each Technology-focused Pilot *This numbe	Number of projects initiated with cooperation from other internal ICU programs associated	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	N/A	N/A-TFPs will begin once 3P implentation contracts have		0	2	tbd*	thd*	CTP-M6 metric is a subset of ETP-M7 and counted towards ETP-M7 targets. All targets will be determined by AP TPM implementers.	1] "Cooperation" is defined as a process by which all parties work towards a montal chiefrine.	T
-		+	1		will be updated once all third party contracts have been awarded.	with each Technology-focused Pilot								been awarded.		-					massar supriove.	
242	SW A14	CTRACT.	Count of TFPs	Pliets	Number of Technology-Foursed Pilot (TFP) initiated as part of the TFP 1 Metric "This number will be updated once all third party contracts have been awarded.	PM. Number of Technology-Focused Pilot (TFP)	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	N/A	N/OK—TEPs will begin once 2P implentation contracts have been awarded.				tbd*	thd*	Data for this metric will be gathered from 3P TPM implementers annually.	II A sechnology-focused pilot (FFF) will identify market barriers for a diverse range of high-injusct sechnologies through studies, and wilanguerdy breaking down-described barriers is subhazonica with hore-invests programs. 27 eschnology-focused Pilot* - Pilots that have been proposed by JPs in response to PA needs and that have been purposed by JPs in response to PA needs and that have been purposed by JPs in response to PA needs and Start have been purposed by JPs in response to	
414	A14	arms 1	count of 1991	PROCE	awarded.	initiated as part of the TFP TPM		400	-40	-4/4	- April	.epn	n/A	been awarded.	-		1	ud*	100"		focused Pilot* - Pilots that have been proposed by 3Pt in response to PA needs and that have been approved through the existing ED ideation Process. These includes	
				1	1 1		1				I		1	L .		1					erra surrouting in cooperation with other programs.	

Attachment 4, Table 19
PA Name: Pacific Gas and Electric

PA No	ment 4, Table 1 me: Pacific Gas Year: 2021	and Electri									Baseline		1	A	ctual			Short Term Target		1		1
Index	PA	AZA Page C	NEA Method Inder Code	Units of Measurement	Metric Type	Me	intic/ Sicator Business Plan Att A. Description	Metric	Sector	Year	Numerator	Denominator	2016	2017	2018	2019	2018	2019	2020	Mid Term Target (2023-2025) Cumulative	Long Term Target (2036-2026) Cumulative	Methodology Key befolions Proxy Suplanation FAMS
314	SW	A1S E	IP-T1 1	Percent of New Measures	Measure Tracing	Me	Prior year: N of new measures added to the portfolio that were previously TP technologies "The PAs believe this is not suited for a metric with targets because ITP does not make decisions about new measures.	Prior year: % of new measures added to the portfolio that were previously STP technologies	Emerging Technologies (ET)	N/A.	N/A	N/A	For ED, to be determined by an ED study*	to be determined by an E	a e	Per ED, to be determined by an ED study*	Per ED, to be determine by an ED study	Per 60, to be determined by an 60 study	Per ED, to be determined by an EI study	Per ED, to be determined by an ED study*	Fer ED, to be determined by an EE study*	No. D. March, morbiding, and register out the indemnoisty is discussed in morbidity. Extering our share an extension and control and an exterior out of the
315	SW	A1S E	IP-T2 1	Count of New Measures	Measure Tracing	Me	Prior fear: 8 of new measures added to the portfolio that were previously ITP technologies. "The PAs believe this is not suited for a metric with targets because ITP does not make decisions about new measures.	Prior Year: # of new measures, added to the portfolio that were previously ETP technologies.	Emerging Technologies (ET)	N/A	N/A	N/A	Per ED, to be determined by an ED study*	to be determined by an E		Per ED, to be determined by an ED study*	Per ED, to be determine by an ED study	Per ED, to be determined by an ED study	Fer ED, to be determined by an El study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	The District Americanian part of pages and the page and t
316	SW	A1S E	1 ET-41	Percent	Measure Tracing	Me	Prior year: N of new codes or standards that were previously ETP technologies. "The PAs believe this is not suited for a metric with targets because ETP does not make decisions about new codes or standards.	Prior year: % of new codes or standards that were previously ETP technologies.	Emerging Technologies (ET)	N/A	N/A	N/A	Per ED, to be determined by an ED study*	to be determined by an E		Per ED, to be determined by an ED study*	Per ED, to be determine by an ED study	Per ED, to be determined by an ED study	Fer ED, to be determined by an El study	Per ED, to be determined by an ED study*	Per ED, to be determined by an ED study*	to Distance, and training, and target need to be determined by Distance, and the control training to the control training training to the control training training training training training trainin
317	SW	A1S E	TP-T6 1	Court	Measure Toxing	Me	Prior Year: It of new codes and standards that were previously ETP sechoologies. "The PAs believe this is not sales for a mestic with targets because ETP does not make decisions about new codes or standards.	Prior Year: # of new codes and standards that were previously ETP technologies.	Emerging Technologies (ET)	N/A	N/A	N/A	For ED, to be determined by an ED study*	to be determined by an E		Per ED, to be determined by an ED study*	Per ED, to be determine by an ED study	Per 60, to be determined by an 60 study	Per ED, to be determined by an El study	Per ED, to be determined by an ED study*	For ED, to be determined by an EE study*	A Dis Manier, microslating, and in specimen and in section and in
318	SW	ASS ET	P-TSa 1	Lifecycle net kW	Savings Tracing	Me	Savings of measures currently in the portfolio that were supported by CTP, added since 2009. Ex exter with gross and set for all measures, with ex-port sets of the set of the tangets because CTP is a non-resource program and does not claim any solvings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. So acts with gross and net for all measures, with ex-gost where available	Emerging Technologies (ET)	N/A	N/A	N/A	For ED, to be determined by an ED study*	to be determined by an E		Per ED, to be determined by an ED study*	Per ED, to be determine by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an EI study	For ED, to be determined by an ED study*	Per ED, to be determined by an EE study*	In St. Bendam, embedding, will agent control to decentionally, to the control of
319	SW	ASS ET	P-750 1	Lifecycle net kWh	Savings Tracing	Me	Savings of measures currently in the portfolio that were supported by ETP, added since 2000. So anto with gross and set for all measures, with expoor where available. The PAs believe this is not saled for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by CTP, added since 2009. So ante with gross and net for all measures, with ex-post where available	Emerging Technologies (ET)	N/A	N/A	N/A	For ED, to be determined by an ED study*	to be determined by an E		Per EE, to be determined by an ED study*	Per ED, to be determine by an ED study	Per 60, to be determined by an 60 study	Per ED, to be determined by an EI study	For ED, to be determined by an ED study*	Fer ED, to be determined by an EE study*	No. 20 and combinating, and registration to incommunity of the common c
320	SW	ASS ES	P-TSc 1	Lifecycle net Therms	Savings Tracing	Me	Savings of measures currently in the partfalls that were supported by ETP, added since 2006. So anter with gross and see the all measures, with sepond where available. The PAs believe this is not suited for a metric with targets because ETP is a non-resource program and does not claim any savings.	Savings of measures currently in the portfolio that were supported by ETP, added since 2009. Six ante with gross and net for all measures, with ex-post where available	Emerging Technologies (ET)	N/A	N/A	N/A	For ED, to be determined by an ED study*	to be determined by an E		Per CD, to be determined by an CD study*	Per ED, to be determine by an ED study	Per ED, to be determined by an ED study	Per ED, to be determined by an El study	ED study*	Per ED, to be determined by an EE study*	The Banker amountaining and the principle of the intermediate to the control of t
321	SW	ALS FI	P-Téa 1	Count of project ideas by PA	Project idea Trading	Me	whether and course for present ally admitted of present claim authorized COSTEGG CF as about TMP immerration processing services. He has creopion of tenorize. Po, artificial list, resolutions, recrepresent, etc. 17-th 24 to Missing this is not used for a more liveral list processor TMP reference on control the number of authorization not the seasons. Together and the control that makes the authorization not the seasons. Together and and the control that number of authorization not the seasons. Together as well that may regarded view part that the control the present program and success may be updated in collaboration with CD after all 29° contracts are authorized.	Number and source (as reported by submitter) of project deas submitted OUTSDS OF the annual TPM research planning process by PA.	Emerging Technologies (ET)	N/A	N/A	MA	NGA	N/A	nya.	N/A— TPMs will be used once 39 implentation contracts have been awarded.		2	ž	thd*	thd*	Data for this service and the galacted from \$0.00 Well representation research \$1.00 Melling \$1.00 M
322	sw	AIS ET	9-760 1	Count of project ideas by national labs	Project Idea Trading	Me	humber and usured jor reported by submitted of project ideas submitted OUTSG GG the annual TPM research justicing prosens, for these OUTSG GG the annual TPM research justicing prosens, for these 1% piles Assistant better in the construction of a more control of the speak because CTP referred to the control outside the control outside speak because CTP referred outside the number of submitted one control outside speak or sen in very set and feeting CTP to a story; though ending prosenses in which is not control outside story of the story; though ending prosenses in and success may be updated in collaboration with CD after all 2P controls; are accorded.	Number and source (as seported by submitter) of project ideas submitted OUTSON OF the assual TFM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A	Mor	N/A	N/A	N/A	N/A—TPMs will initiated once 3P implentation contracts have been awarded.	0	1	1	thơ*	thd*	Sea To Conseq. 10 This property of the galacted from \$2.75 Managements conseq. Fig. (2017). Strong (10 This is an a solid triad "Company Enhanced from \$2.75 Managements conseq. Fig. (2017). Strong (10 This is an a loss of the conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanced from \$2.75 Managements conseq. This is a solid triad "Company Enhanc
222	SW	A15 EI	P-Téc 1	Count of project ideas by manufacturers	Project Idea Trading	Me	Number and usuard jax reparted by submitted of project ideas submitted of project ideas submitted confidence of the project in the second judgment project in the project of the project in the project i	Number and source (as reported by submitter) of project ideas submitted CUTEDE OF the annual THM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A	SĄ (A.	NGA	N/A	N/A	N/A— TPMs will be used once 39 implentation contracts have been awarded.	۰	i	s	tbd*	thd*	Seat to find a more of the galacted from \$0.00 PM propressions are used in Falls. Seat To Concept (C.P. Big as in a sold from "Company Seatoningen Trading and the propression of the propression are used in Falls (C.B. Big as in a sold from "Company Seatoningen Seatoning Seat
224	SW	ALS ET	9-76d 1	Count of project ideas by entrepreneurs	Project Idea Trading	Me	where and source for respectably admitted by applications absoluted of 1976 COV (1976). The absoluted of 1976 COV (1976)	Number and source (as reported by submitter) of project ideas submitted OUTEDS OF the annual TPM research planning process by Cotsepeneau:	Emerging Technologies (ST)	N/A	N/A	N/A	NA	N/A	N/A	N/A— TPMs will be used once 39 implentation contracts have been awarded.	0	0	ŝ	thd*	the*	last for for carrie and bug description of The Highesterium control, if the process of the second of the second of the second of the process, if can be second on the The Second of the Second of the process, if can be required to the second of the seco
225	SW	A15 E1	P-T7a s	Count of project ideas by PA	Project Idea Trading	Me	whether and course for respectably admitted for project claim authorized 6.2 FM GO To chance (Delt respectably project (Delt submitted for project claims), to the change fine of authorize. Plus related files, respectably consideration, extrapressed, yell- ritized control control this not useful for a mortic with trapper focusions (T). Plant Alle foliages for all control for admitted for all control control for any control for a mortic control for any control for a mortic control for any control for a mortic control for a mort	STP-T7a Number and source las reported by submitteely of project ideas submitted AS FAST Of the annual TPM research planning process by PA	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	n/a	h/A— TPMs will be used once 39 implentation contracts have been awarded.	0	3	a	thd*	the*	Date for this series will be global from 2 this series of the global from 2 through glob
226	SW	ALS ET	9-776 1	Count of project ideas by national labs	Project Idea Trading	Me	whether and course for respectably admitted for project claim authorized 6.2 FM CO C season (DN courses principle) and course course crangeline of accurace. Por crainfall pile, resolubilities, respectable courses (T) 7.2 PM AN Individual to this cost usual for a restrict with trapper because (T) Preference and counted this northwest for another with trapper because (T) feet and counted this northwest of another with project accounts (T) per another accounts (T) and pile accounts (T) another accounts (T) and pile accounts (T	Number and source (as reported by submitter) of project ideas submitted AS FART OF the annual TPM research planning process by National Lab	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	n/a	h/A— TPMs will be used once 39 implentation contracts have been awarded.	0	i	s	thd*	the*	Date for this series will be global from 2 this series of the global from 2 through glob
227	SW	A15 E1	P-T7c s	Count of project ideas by manufacturers	Project Idea Trading	Me	whether and course for respectably admitted for project claim authorized 6.2 FM CO C season (DN courses (DN)) course (DN) course (DN) course cropsgoinc of courses. Ph. a prison fill by consolidation, extract course (DN) courses (DN) cour	Number and source (as reported by submitter) of project ideas submitted AS FART OF the annual TFM research planning process by Manufacturer	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	n/a	h/A— TPMs will be used once 39 implentation contracts have been awarded.	0	i	s	thd*	the*	Date for this series will be global from 2 this series of the global from 2 through glob
228	SW	ALS ET	P-774 s	Count of project ideas by entrepreneurs	Project idea Trading	Me	havine and close pie repend by exhibitery of project date submitted by the project date submitted by a first of project date submitted by the project date of the proj	Number and source (ix reported by submitter) of project ideas submitted AS PART OF the annual TPM research planning process by interprenant	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	nga.	h/A— TPMs will be used once 39 implentation contracts have been awarded.		0	ś	thd*	the*	Date to the same and any police of the or 20 MV improvement. Figure as a Control Trough 1 Control Trough 1
329	SW	A16 E	TP-TR 1	Number of lists	Statewide Goal Alignment	ect Me	Let of ETP projects signed with casevaled great that were included in the reporting year with specificity as to what supect of each goal? In it difficie, Goals, will also be looked in the ETP detabase. A for of eligible goals will be developed collaboratively with EQ.	List of ETP projects aligned with statewide goals that were initiated in the reporting year with specificity as so what aspect of each goal it is sufficient	Emerging Technologies (ET)	N/A	N/A	N/A	N/A	N/A	The statewide goals to be tracked are still under collaborative discussion will £0 and not yet available; hence, no data will be reported for 2018	N/A - The statewide goals to be tracked are still under callaborative discussion with 6D and not yet available; hence, no data will be reported for 2019	N/A	N/A	N/A	3 lists cumulative	2 lists cumulative	Description of the property of

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

AT&T

Albion Power Company Alcantar & Kahl LLP

Alta Power Group, LLC Anderson & Poole

Atlas ReFuel BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission
California Public Utilities Commission
California State Association of Counties
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
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 Downey & Brand
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
IGS Energy

International Power Technology 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

Office of Ratepayer Advocates OnGrid Solar Pacific Gas and Electric Company Peninsula Clean Energy Pioneer Community Energy

Redwood Coast Energy Authority Regulatory & Cogeneration Service, Inc. SCD Energy Solutions

SCE SDG&E and SoCalGas

SPURR
San Francisco Water Power and Sewer
Seattle City Light
Sempra Utilities
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
Troutman Sanders LLP
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy