



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: San Francisco Bay Area Regional Energy Network (BayREN) (#941)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Jennifer K. Berg
 Phone #: (415) 820-7947
 E-mail: jberg@bavareametro.gov
 E-mail Disposition Notice to: jberg@bavareametro.gov

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 21-E-A

Tier Designation: 2

Subject of AL: 2022-2023 Energy Efficiency Program and Portfolio Budget Request for BayREN Supplemental Filing

Keywords (choose from CPUC listing):

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: In compliance with D.15-10-029, D.18-05-041, D.21-05-031 and D.21-09-037.

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? Yes No

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 No

Requested effective date: 12/8/21

No. of tariff sheets:

Estimated system annual revenue effect (%): 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: N/A

Service affected and changes proposed¹: NONE

Pending advice letters that revise the same tariff sheets: NONE

¹Discuss in AL if more space is needed.

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: Jennifer K. Berg
Title: Director - Energy Programs
Utility Name: BayREN
Address: 375 Beale Street, 7th Floor
City: San Francisco
State: California Zip: 94105
Telephone (xxx) xxx-xxxx: (415) 820-7947
Facsimile (xxx) xxx-xxxx:
Email: jberg@bayareametro.gov

Name:
Title:
Utility Name:
Address:
City:
State: California Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

ENERGY Advice Letter Keywords

Affiliate	Direct Access	Preliminary Statement
Agreements	Disconnect Service	Procurement
Agriculture	ECAC / Energy Cost Adjustment	Qualifying Facility
Avoided Cost	EOR / Enhanced Oil Recovery	Rebates
Balancing Account	Energy Charge	Refunds
Baseline	Energy Efficiency	Reliability
Bilingual	Establish Service	Re-MAT/Bio-MAT
Billings	Expand Service Area	Revenue Allocation
Bioenergy	Forms	Rule 21
Brokerage Fees	Franchise Fee / User Tax	Rules
CARE	G.O. 131-D	Section 851
CPUC Reimbursement Fee	GRC / General Rate Case	Self Generation
Capacity	Hazardous Waste	Service Area Map
Cogeneration	Increase Rates	Service Outage
Compliance	Interruptible Service	Solar
Conditions of Service	Interutility Transportation	Standby Service
Connection	LIEE / Low-Income Energy Efficiency	Storage
Conservation	LIRA / Low-Income Ratepayer Assistance	Street Lights
Consolidate Tariffs	Late Payment Charge	Surcharges
Contracts	Line Extensions	Tariffs
Core	Memorandum Account	Taxes
Credit	Metered Energy Efficiency	Text Changes
Curtable Service	Metering	Transformer
Customer Charge	Mobile Home Parks	Transition Cost
Customer Owned Generation	Name Change	Transmission Lines
Decrease Rates	Non-Core	Transportation Electrification
Demand Charge	Non-firm Service Contracts	Transportation Rates
Demand Side Fund	Nuclear	Undergrounding
Demand Side Management	Oil Pipelines	Voltage Discount
Demand Side Response	PBR / Performance Based Ratemaking	Wind Power
Deposits	Portfolio	Withdrawal of Service
Depreciation	Power Lines	



December 16, 2021

California Public Utilities Commission
Energy Division Tariff Unit
505 Van Ness Ave.
Fourth Floor
San Francisco, CA 94102-3298

Advice Letter 21-E-A

(BayREN ID #941)

Subject:

Supplemental Advice Letter (AL) of the San Francisco Bay Area Regional Energy Network (BayREN) 2022-2023 Bi-Annual Energy Efficiency Program and Portfolio Budget Request

Purpose

The purpose of this supplemental advice letter is to provide supplemental program information as requested by Energy Division staff on Thursday, December 8, 2021, with respect to the Cost Effectiveness Tool's calculation issues present for fuel substitution measures at the time of BayREN's original AL filing.

Background

In compliance with Decision (D.) 21-05-031, on November 8, 2021, BayREN submitted Advice Letter (AL) 21-E, its 2022-2023 Biannual Budget Advice Letter (BBAL), requesting the California Public Utilities Commission (CPUC) approve its energy efficiency program and portfolio budget request.

On November 15, BayREN filed substitute sheets containing minor revisions to AL 21-E. The substitute sheets reformatted various cost-effectiveness figures from being displayed as dollar values to being displayed in ratios.

On December 8, 2021, Energy Division staff notified Program Administrators (PAs) that it had corrected errors causing elevated cost effectiveness values for fuel substitution measures, and that PAs were required to file a supplemental AL if the PAs portfolio contained fuel substitution measures.

Findings

The updates to the Cost Effectiveness Tool result in a slight decrease in BayREN's 2022 and 2023 total resource cost (TRC). In 2022, the portfolio TRC decreases from 0.38 to 0.36, and in 2023 decreases from 0.50 to 0.48. The revised cost effectiveness outputs are included in Table 1 (2022) and Table 2 (2023) and have also been submitted through the California Energy Data and Reporting System (CEDARS).

Table 1: BayREN 2022 Budget and Savings (Net)¹

Line	Sector	Program Year (PY) 2022 Budget	FORECAST ENERGY SAVINGS (Net)				
			PA forecast kWh	PA forecast kW	PA forecast therms (MM)	PA Forecast Elec CO2	PA Forecast GasCO2
	Resource Acquisition Program Segment						
	Residential	\$0	-	-	-	-	-
	Commercial	\$3,822,347	4,599,900	605	0.01	1,191	80
4	PA Subtotal (does not include ESA budget and savings)	\$3,822,347	4,599,900	605	0.01	1,191	80
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$6,286,277					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	1.06					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.67					
	Market Support Program Segment						
	Residential	\$2,879,500	-	-	-	-	-
	Commercial	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$2,879,500	-	-	-	-	-
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$0					
	Portfolio Forecasted Total Resource Cost (TRC)	0.00					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.00					
	Equity Program Segment						
	Residential	\$16,574,376	6,384,434	185	0.12	(131)	2,070
	Commercial	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$16,574,376	6,384,434	185	0.12	(131)	2,070
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$2,223,719					
	Portfolio Forecasted Total Resource Cost (TRC)	0.19					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.18					
	Portfolio						
	Residential	\$19,453,876	6,384,434	185	0.12	(131)	2,070
	Commercial	\$3,822,347	4,599,900	605	0.01	1,191	80
4	PA Subtotal (does not include ESA budget and savings)	\$23,276,223	10,984,334	790	0.13	1,060	2,150
5	CPUC Savings Goal (w/o C&S)		10,984,334	790	0.13	1,060	2,150
6	Forecast savings as % of CPUC Savings Goal (w/o C&S)	NA	100.0%	100.0%	100.0%	100.0%	100.0%
7	Total EM&V ⁷	\$1,046,586					
7a	PA EM&V	\$287,811					
7b	ED EM&V	\$758,775					
	Portfolio Forecasted Total System Benefit (TSB)	\$8,509,996					
	Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EM&V)	0.36					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.35					
	Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.35					
8	Codes and Standards	\$1,841,850					
9	PA Spending Budget Request ¹	\$26,164,659					
10	(LESS) PA Uncommitted and Unspent Carryover Balance ²	\$3,410,599					
11	CEC AB 841 Program Funding ³						
12	Applicable percentage (70%) of difference between funding limitation and 2020 budget	\$0					
13	PA 2020 and Beyond Uncommitted and Unspent Carryover Balance ⁴	\$0					
14	CEC AB 841 Total Program Funding	\$0					
15	PA Revenue Requirement Request (Cost Recovery) ⁵	\$22,754,060					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 30%)	74%					
16	PA Authorized Budget Cap (D.18-05-041)	\$23,720,000					
17	Total PA (IOU+CCAs+RENs) Recovery Budget ⁶	\$22,754,060					

¹ This is the IOU's requested EE Portfolio budget. This is the budget by which the Statewide Program compliance budget requirement of 25% will be measured.

² The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020 EE authorized budgets Jan-1-2018 through Dec-31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. **Because AB 841 does not apply to BayREN, this total includes the pre-2020 and 2020 Uncommitted and Unspent Carryover Balance.**

³ See D.21-01-004 Tables 2 (2022) and 3 (2022)

⁴ Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.

⁵ The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12

⁶ Total amount to be requested in IOU's PPP advice letter for their programs, REN's and CCAs in their service territory, Line 15+ Line 21 + Line 22

⁷ For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED=\$0.

¹ BayREN's 2022 Budget and Savings table has been modified to show only sectors with planned program activity and formatted to fit this page. The full version of the table has been uploaded to CEDARS in the original format.

Table 2: BayREN 2023 Budget and Savings (Net)²

Line	Sector	Program Year (PY) 2023 Budget	FORECAST ENERGY SAVINGS (Net)				
			PA forecast kWh	PA forecast kW	PA forecast therms (MM)	PA Forecast Elec CO2	PA Forecast GasCO2
Resource Acquisition Program Segment							
	Residential	\$0	-	-	-	-	-
	Commercial	\$3,956,347	6,985,438.07	920.34	0.02	1,888.31	116.32
4	PA Subtotal (does not include ESA budget and savings)	\$3,956,347	6,985,438	920	0.02	1,888	116
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$10,185,086					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	1.37					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	2.62					
Market Support Program Segment							
	Residential	\$2,985,600	-	-	-	-	-
	Commercial	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$2,985,600	-	-	-	-	-
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$0					
	Portfolio Forecasted Total Resource Cost (TRC)	0.00					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.00					
Equity Program Segment							
	Residential	\$16,874,376	4,968,325.87	226.97	0.13	(29.18)	1,771.58
	Commercial	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$16,874,376	4,968,326	227	0	(29)	1,772
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$2,246,051					
	Portfolio Forecasted Total Resource Cost (TRC)	0.18					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.17					
Portfolio							
	Residential	\$19,859,976	4,968,325.87	226.97	0.13	(29.18)	1,771.58
	Commercial	\$3,956,347	6,985,438.07	920.34	0.02	1,888.31	116.32
4	PA Subtotal (does not include ESA budget and savings)	\$23,816,323	11,953,764	1,147	0.15	1,859	1,888
5	CPUC Savings Goal (w/o C&S)		11,953,764	1,147	0.15	1,859	1,888
6	Forecast savings as % of CPUC Savings Goal (w/o C&S)	NA	100.0%	100.0%	100.0%	100.0%	100.0%
7	Total EM&V⁷	\$1,067,320					
7a	PA EM&V	\$293,513					
7b	ED EM&V	\$773,807					
	Portfolio Forecasted Total System Benefit (TSB)	\$12,431,137					
	Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EM&V)	0.48					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.49					
	Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.49					
8	Codes and Standards	\$1,799,350					
9	PA Spending Budget Request¹	\$26,682,993					
10	(LESS) PA Uncommitted and Unspent Carryover Balance²	\$0					
11	CEC AB 841 Program Funding³						
12	Applicable percentage (70%) of difference between funding limitation and 2020 budget	\$0					
13	PA 2020 and Beyond Uncommitted and Unspent Carryover Balance⁴	\$0					
14	CEC AB 841 Total Program Funding	\$0					
15	PA Revenue Requirement Request (Cost Recovery)⁵	\$26,682,993					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 30%)	74%					
16	PA Authorized Budget Cap (D.18-05-041)	24,605,000					
17	Total PA (IOU+CCAs+RENs) Recovery Budget⁶	\$26,682,993					

¹ This is the IOU's requested EE Portfolio budget. This is the budget by which the Statewide Program compliance budget requirement of 25% will be measured.

² The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020 EE authorized budgets Jan-1-2018 through Dec-31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. **Because AB 841 does not apply to BayREN, this total includes the pre-2020 and 2020 Uncommitted and Unspent Carryover Balance.**

³ See D.21-01-004 Tables 2 (2022) and 3 (2022)

⁴ Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.

⁵ The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12

⁶ Total amount to be requested in IOU's PPP advice letter for their programs, REN's and CCAs in their service territory, Line 15+ Line 21 + Line 22

⁷ For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED=\$0.

² BayREN's 2023 Budget and Savings table has been modified to show only sectors with planned program activity and formatted to fit this page. The full version of the table has been uploaded to CEDARS in the original format.

Attachments**Attachment A – ABAL Appendix****Attachment B – CEDARS Confirmation****Protest**

BayREN respectfully requests that the protest period be shortened to five days from the date of this letter, or December 21, 2021.

Effective Date

BayREN respectfully requests that this Tier 2 supplemental advice letter maintain the original effective date of December 8, 2021.



Local Governments Empowering Our Communities

Bay Area Regional Energy Network (BayREN)

Advice Letter 21-E-A

2022-2023 BBAL

Attachment A – ABAL Appendix

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Y: 2022-2023

Spending Budget Comparison

Tab 3 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)
Tab 4 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)
Tab 7 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)
Tab 8 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)
Tab 9 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)

	2022	2023
Tab 3 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993
Tab 4 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993
Tab 7 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993
Tab 8 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993
Tab 9 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993

Difference - -

Revenue Requirement or Cost Recovery Comparison

Tab 4 - PA Revenue Requirement Request
Tab 7 - PA Revenue Requirement Request (Cost Recovery)

	2022	2023
Tab 4 - PA Revenue Requirement Request	\$ 25,873,062	\$ 26,682,993
Tab 7 - PA Revenue Requirement Request (Cost Recovery)	\$ 22,754,060	\$ 26,682,993

Difference 3,119,002.06 -

Program Budget by Cost Category

Tab 4 - Program Budgets
Tab 8 - Caps & Targets

2022				2023			
Admin	Mktg	DINI	DI Incentive	Admin	Mktg	DINI	DI Incentive
\$ 1,854,000	\$ 2,730,018	\$ 9,784,055	\$ 10,750,000	\$ 1,858,000	\$ 2,600,718	\$ 10,106,955	\$ 11,050,000
\$ 1,854,000	\$ 2,730,018	\$ 9,784,055	\$ 10,750,000	\$ 1,858,000	\$ 2,600,718	\$ 10,106,955	\$ 11,050,000

Difference - - - - - - - -

Tab 9 - Incentives Column, EE Total

	\$ 10,750,000		\$ 11,050,000
--	---------------	--	---------------

Difference - -

Unspent/Uncommitted compared to CEC 2020 and beyond

Tab 4 - CEC value 2020 and Beyond amount
Tab 3 - Table 3d - 2020 and 2021 Unspent/Uncommitted

	2022	2023
Tab 4 - CEC value 2020 and Beyond amount	\$ -	\$ -
Tab 3 - Table 3d - 2020 and 2021 Unspent/Uncommitted	\$ 2,981,888	\$ -

Difference (2,981,888.31) -

Portfolio Budget Total vs Budget by Function Summary Total

Tab 7 - PA Portfolio Budget by Function
Tab 9 - PA Portfolio Budget by Function

2022										
Residential	Commercial	Industrial	Agricultural	Public	Emerging Tech	Codes & Standards	WE&T	Finance	Cross Cutting	OBF Loan Pool
\$ 19,453,876.00	\$ 3,822,347.00	\$ -	\$ -	\$ 0	\$ 0	\$ 1,841,850	\$ -	\$ -	\$ 1,841,850	\$ -
\$ 19,453,876.00	\$ 3,822,347.00	\$ -	\$ -	\$ -					\$ 1,841,850.00	\$ -

Difference - - - - - - - - - -

Tab 7 - PA Portfolio Budget by Function

Tab 9 - PA Portfolio Budget by Function

2023										
Residential	Commercial	Industrial	Agricultural	Public	Emerging Tech	Codes & Standards	WE&T	Finance	Cross Cutting	OBF Loan Pool
\$ 19,859,976.00	\$ 3,956,347.00	\$ -	\$ -	\$ 0	\$ 0	\$ 1,799,350.00	\$ -	\$ -	\$ 1,799,350.00	\$ -
\$ 19,859,976.00	\$ 3,956,347.00	\$ -	\$ -	\$ -					\$ 1,799,350.00	\$ -

Difference - - - - - - - - - -

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023

(This Table applies only to the IOU PAs)

Table 1 -Bill Payer Impacts - Rates by Customer Class				
	Electric Average Rate (Res and Non-Res) \$/kwh	Gas Average Rate (Res and Non-Res) \$/therm	Total Average Annual Bill Savings by Year (\$)	Total Average Lifecycle Bill Savings (\$)
Present Rates - System Average				
2021*				
2022				
2023				

* = Based on [relevant date] current effective rates

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

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023

Table 3 - Budget and Cost Recovery by Funding Source

Table 3a - PA Spending Budget Request by Funding Source

PA EE Programs and EM&V	2022	2023
Annual PA Spending Budget Request (Program and EM&V total)	\$ 26,164,659	\$ 26,682,993
CEC AB 841 Program Budget Request		
Applicable percentage of difference between funding limitation and 2020 budget (70% for 2022 and 60% for 2023) ¹	\$ -	\$ -
Plus 2020 and Beyond Uncommitted and Unspent Carryover Balance	\$ -	\$ -
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 26,164,659	\$ 26,682,993

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

Table 3b - Budget by Funding Source

Portfolio Budget (Before Carryover)	2022 Budget	2022 %Allocation	2023 Budget	2023 %Allocation
Electric Procurement EE Funds	\$ 21,455,020	82%	\$ 21,346,394	80%
Gas PPP Surcharge Funds	\$ 4,709,639	18%	\$ 5,336,599	20%
Total Funds	\$ 26,164,659		\$ 26,682,993	

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

Authorized Funding in Rates (including Unspent/Uncommitted Funds)	2022 Revenue Requirement	2022 %Allocation after Carryover adjustment	2023 Revenue Requirement	2023 %Allocation after Carryover adjustment
Electric Procurement EE Funds	\$ 18,658,329	82%	\$ 21,346,394	80%
Gas PPP Surcharge Funds	\$ 4,095,731	18%	\$ 5,336,599	20%
Total Funds	\$ 22,754,060		\$ 26,682,993	

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

Program Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 239,110	\$ 52,487	\$ 291,597	\$ -	\$ -	\$ -
2020 ²	\$ 2,445,148	\$ 536,740	\$ 2,981,888	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²				\$ -	\$ -	\$ -
Total	\$ 2,684,258	\$ 589,227	\$ 3,273,485	\$ -	\$ -	\$ -

EM&V Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2020 ²	\$ 112,433	\$ 24,680	\$ 137,114	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²				\$ -	\$ -	\$ -
Total	\$ 112,433	\$ 24,680	\$ 137,114	\$ -	\$ -	\$ -

Total Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 239,110	\$ 52,487	\$ 291,597	\$ -	\$ -	\$ -
2020 ²	\$ 2,557,582	\$ 561,420	\$ 3,119,002	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²				\$ -	\$ -	\$ -
Total	\$ 2,796,691	\$ 613,908	\$ 3,410,599	\$ -	\$ -	\$ -

Note on Table 3d

Any actual uncommitted/unspent funds for 2023 will be trued-up in the IOU's respective electric and gas PPP annual rates advice letter for 2023.

² These funds are assigned to CEC AB 841

Table 3e - Total Requested 2022-2023 IOU Revenue Requirement - Demand Response & Energy Efficiency 1,2

	2022				2023			
	Demand Response	Energy Efficiency			Demand Response	Energy Efficiency		
	Electric Demand Response Funds	Electric Energy Efficiency Funds	Natural Gas Public Purpose Funds	Total Energy Efficiency Funds	Electric Demand Response Funds	Electric Energy Efficiency Funds	Natural Gas Public Purpose Funds	Total Energy Efficiency Funds
Program Funds - PA ⁴	\$ -	\$ 17,800,129	\$ 3,907,345	\$ 21,707,474	\$ -	\$ 20,492,538	\$ 5,123,135	#####
Program Funds - CEC ⁵		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
Program Funds - REN ⁵		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
Program Funds - CCA ⁵		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
EM&V ³		\$ 858,201	\$ 188,385	\$ 1,046,586		\$ 853,856	\$ 213,464	\$ 1,067,320
Budget Total	\$ -	\$ 18,658,329	\$ 4,095,731	\$ 22,754,060	\$ -	\$ 21,346,394	\$ 5,336,599	#####

Notes:

1 Authorized budget excludes reductions from past unspent funds, 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, D.18-05-041 and D.21-01-004.

2 REN and CCA information provided by all RENS and CCAs and is consistent with their respective ABALs.

3 This represent total IOU+CCA+REN EM&V

4 Program Funds represents the total program budget, excluding EM&V. Only the electric IOU PAs will complete the Demand Response funding columns.

5 only the IOU completes this line and should be consistent table 7.

Pa Name: Bay Area Regional Energy Network (BayREN)

Budget Year: 2022-2023

(report budgets to the \$--do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

New/Existing Program #	Discontinued Program #	Program Name	Target Exempt	Program Type	Business Sector	Portfolio Segment	Pre-2020 Unspent/Uncommitted EE Funds ⁶	2021 Authorized Budget	2021 Forecasted Unspent/Uncommitted Funds as of 7/31/2021	2021 Budget Spent as of 07/31/2021	
BAYREN02		Multi Family	No	Core PA	Residential	Equity	\$ -	\$ 4,200,206.00	\$ -	\$ 1,258,781	
BAYREN02-A		BAMBE Electrification	No	Core PA	Residential	Equity	\$ -	\$ 2,316,044.00	\$ -	\$ -	
BAYREN03		Codes and Standards Program	Yes	Core PA	Codes & Standards	Codes & Standards	\$ -	\$ 1,973,650.00	\$ -	\$ 914,210	
BAYREN04		Water/Energy Nexus	No	Core PA	Residential	Market Support	\$ -	\$ 1,473,420.00	\$ -	\$ 878,963	
BAYREN06		Commercial	No	Core PA	Commercial	Resource Acquisition	\$ -	\$ 3,692,226.00	\$ -	\$ 449,160	
BAYREN07		Green Labeling	No	Core PA	Residential	Market Support	\$ 125,000	\$ 1,079,750.00	\$ -	\$ 783,602	
BAYREN08		Single Family	No	Core PA	Residential	Equity	\$ 166,597	\$ 9,176,252.00	\$ -	\$ 4,346,353	
PA PROGRAM TOTAL							\$ 291,597	\$ 23,911,548	\$ -	\$ 8,631,069	
EM&V (PA & ED Portions) Total ⁵											
		EM&V - PA								\$ 93,502	
		EM&V - ED								\$ -	
EM&V TOTAL											\$ 93,502
PA Program and EM&V Total							\$ 291,597	\$ 23,911,548	\$ -	\$ 8,724,571	
CEC AB 841 Program Budget--IOU PA only											
		Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3									
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance									
CEC AB 841 Total											
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)							\$ 291,597	\$ 23,911,548	\$ -	\$ 8,724,571	
Financing Pilot Programs											
Financing Pilot Programs Total							\$ -	\$ -	\$ -	\$ -	
ME&O & ESA											
		ME&O ¹									
		ESA2									

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other needed explanations.)

1. ME&O requested budget for 2021 per AL 3498-E/3835-G.

2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.

3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calculation is \$116-80.

4 Add footnote on Non-EE budgeted overheads.

5 For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it does not include REN or CCAs EM&V budget.

6 PAs have the option of inputting by program or by total

Pa Name: Bay Area Regional Energy Network (BayREN)

Budget Year: 2022-2023

(report budgets to the \$--do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

2022												
New/Existing Program #	Discontinued Program #	Program Name	Administrative	Marketing/ Outreach	Direct Implementation Non-Incentive	Incentive/ Rebate	2022 PA Spending Budget Request	2022 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2022 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)
BAYREN02		Multi Family	\$ 224,500	\$ 126,272	\$ 910,000	\$ 1,500,000	\$ 2,760,772		\$ 2,760,772	544,087.79	83.06	0.04
BAYREN02-A		BAMBE Electrification	\$ 336,750	\$ 189,408	\$ 1,365,000	\$ 2,250,000	\$ 4,141,158		\$ 4,141,158	4,689,007.01	4.78	0.03
BAYREN03		Codes and Standards Program	\$ 183,750	\$ -	\$ 1,658,100	\$ -	\$ 1,841,850		\$ 1,841,850	-	-	-
BAYREN04		Water/Energy Nexus	\$ 141,750	\$ 470,300	\$ 965,700	\$ -	\$ 1,577,750		\$ 1,577,750	-	-	-
BAYREN06		Commercial	\$ 263,500	\$ 298,847	\$ 1,260,000	\$ 2,000,000	\$ 3,822,347		\$ 3,822,347	4,599,900.00	604.71	0.01
BAYREN07		Green Labeling	\$ 77,750	\$ 134,000	\$ 590,000	\$ 500,000	\$ 1,301,750	\$ 125,000	\$ 1,176,750	-	-	-
BAYREN08		Single Family	\$ 626,000	\$ 1,511,191	\$ 3,035,255	\$ 4,500,000	\$ 9,672,446	\$ 166,597	\$ 9,505,849	1,151,339.35	97.62	0.05
PA PROGRAM TOTAL			\$ 1,854,000	\$ 2,730,018	\$ 9,784,055	\$ 10,750,000	\$ 25,118,073	\$ 291,597	\$ 24,826,476	10,984,334.16	790.17	0.13
EM&V (PA & ED Portions) Total ⁵												
		EM&V - PA					\$ 287,811		\$ 287,811			
		EM&V - ED					\$ 758,775	\$ -	\$ 758,775			
		EM&V TOTAL					\$ 1,046,586	\$ -	\$ 1,046,586			
PA Program and EM&V Total			\$ 1,854,000	\$ 2,730,018	\$ 9,784,055	\$ 10,750,000	\$ 26,164,659	\$ 291,597	\$ 25,873,062	10,984,334.16	790.17	0.13
CEC AB 841 Program Budget--IOU PA only												
		Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3							\$ -			
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance							\$ -			
		CEC AB 841 Total					\$ -	\$ -	\$ -			
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)			\$ 1,854,000	\$ 2,730,018	\$ 9,784,055	\$ 10,750,000	\$ 26,164,659	\$ 291,597	\$ 25,873,062	10,984,334.16	790.17	0.13
Financing Pilot Programs												
							\$ -		\$ -			
							\$ -		\$ -			
							\$ -		\$ -			
							\$ -		\$ -			
							\$ -		\$ -			
		Financing Pilot Programs Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
ME&O & ESA												
		ME&O ¹					\$ -		\$ -			
		ESA ²					\$ -		\$ -			
							\$ -		\$ -			

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other nec

1. ME&O requested budget for 2021 per AL 3498-E/3835-G.

2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.

3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calc

4 Add footnote on Non-EE budgeted overheads.

⁵ For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it dc

⁶ PAs have the option of inputting by program or by total

Pa Name: Bay Area Regional Energy Network (BayREN)

Budget Year: 2022-2023

(report budgets to the \$--do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

New/Existing Program #	Discontinued Program #	Program Name	First Year Net Elec CO2 (ton)	First Year Net Gas CO2 (ton)	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Elec CO2 (Ton)	Lifecycle Net Gas CO2 (Ton)	Administrative	Marketing/ Outreach	Direct Implementation Non-Incentive	Incentive/Rebate	2023 PA Spending Budget Request
BAYREN02		Multi Family	148.69	231.48	2,603,632.75	0.19	737.52	1,102.39	\$ 336,750	\$ 189,408	\$ 1,365,000	\$ 2,250,000	\$ 4,141,158
BAYREN02-A		BAMBE Electrification	(241.55)	1,311.65	22,319,937.55	0.15	(1,265.49)	6,244.02	\$ 224,500	\$ 126,272	\$ 910,000	\$ 1,500,000	\$ 2,760,772
BAYREN03		Codes and Standards Program	-	-	-	-	-	-	\$ 183,750	\$ -	\$ 1,615,600	\$ -	\$ 1,799,350
BAYREN04		Water/Energy Nexus	-	-	-	-	-	-	\$ 141,750	\$ 336,000	\$ 1,186,100	\$ -	\$ 1,663,850
BAYREN06		Commercial	1,191.30	80.03	73,598,400.01	0.22	23,436.26	1,280.42	\$ 263,500	\$ 307,847	\$ 1,385,000	\$ 2,000,000	\$ 3,956,347
BAYREN07		Green Labeling	-	-	-	-	-	-	\$ 81,750	\$ 130,000	\$ 610,000	\$ 500,000	\$ 1,321,750
BAYREN08		Single Family	(38.23)	526.76	11,825,976.15	0.87	(643.94)	7,864.84	\$ 626,000	\$ 1,511,191	\$ 3,035,255	\$ 4,800,000	\$ 9,972,446
PA PROGRAM TOTAL			1,060.21	2,149.92	110,347,946.45	1.42	22,264.35	16,491.68	\$ 1,858,000	\$ 2,600,718	\$ 10,106,955	\$ 11,050,000	\$ 25,615,673
EM&V (PA & ED Portions) Total ⁵													
		EM&V - PA											\$ 293,513
		EM&V - ED											\$ 773,807
		EM&V TOTAL											\$ 1,067,320
PA Program and EM&V Total			1,060.21	2,149.92	110,347,946.45	1.42	22,264.35	16,491.68	\$ 1,858,000	\$ 2,600,718	\$ 10,106,955	\$ 11,050,000	\$ 26,682,993
CEC AB 841 Program Budget--IOU PA only													
		Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3											
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance											\$ -
		CEC AB 841 Total											\$ -
PA Spending Budget Request (PA Program and EM&V + CEC AB 841)			1,060.21	2,149.92	110,347,946.45	1.42	22,264.35	16,491.68	\$ 1,858,000	\$ 2,600,718	\$ 10,106,955	\$ 11,050,000	\$ 26,682,993
Financing Pilot Programs													
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
													\$ -
		Financing Pilot Programs Total	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O & ESA													
		ME&O ¹											\$ -
		ESA ²											\$ -
													\$ -

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other need)
1. ME&O requested budget for 2021 per AL 3498-E/3835-G.
2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.
3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calc
4 Add footnote on Non-EE budgeted overheads.
⁵ For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it d
⁶ PAs have the option of inputting by program or by total

Pa Name: Bay Area Regional Energy Network (BayREN)

Budget Year: 2022-2023

(report budgets to the \$--do not round)

Table 4 – Budget, Spent, Unspent, Carryover Details

2023													
New/Existing Program #	Discontinued Program #	Program Name	2023 PA Pre-2020 Uncommitted and Unspent Carryover Balance	2023 PA Revenue Requirement Request	First Year Net KWH	First Year Net KW	First Year Net Therms (MM)	First Year Net Elec CO2 (ton)	First Year Net Gas CO2 (ton)	Lifecycle Net KWH	Lifecycle Net Therms (MM)	Lifecycle Net Elec CO2 (Ton)	Lifecycle Net Gas CO2 (Ton)
BAYREN02		Multi Family	\$ -	\$ 4,141,158	808,877.32	123.49	0.06	229.58	344.10	3,870,732.07	0.28	1,118.14	1,638.72
BAYREN02-A		BAMBE Electrification	\$ -	\$ 2,760,772	3,125,814.59	3.19	0.02	(168.70)	874.42	14,876,991.58	0.10	(878.14)	4,162.09
BAYREN03		Codes and Standards Program	\$ -	\$ 1,799,350	-	-	-	-	-	-	-	-	-
BAYREN04		Water/Energy Nexus	\$ -	\$ 1,663,850	-	-	-	-	-	-	-	-	-
BAYREN06		Commercial	\$ -	\$ 3,956,347	6,985,438.07	920.34	0.02	1,888.31	116.32	111,767,009.04	0.32	36,388.97	1,861.06
BAYREN07		Green Labeling	\$ -	\$ 1,321,750	-	-	-	-	-	-	-	-	-
BAYREN08		Single Family	\$ -	\$ 9,972,446	1,033,633.96	100.29	0.05	(90.06)	553.06	11,540,723.27	0.91	(949.02)	8,257.22
		PA PROGRAM TOTAL	\$ -	\$ 25,615,673	11,953,763.94	1,147.31	0.15	1,859.13	1,887.90	142,055,455.96	1.61	35,679.95	15,919.09
		EM&V (PA & ED Portions) Total ⁵											
		EM&V - PA		\$ 293,513									
		EM&V - ED		\$ 773,807									
		EM&V TOTAL	\$ -	\$ 1,067,320									
		PA Program and EM&V Total	\$ -	\$ 26,682,993	11,953,763.94	1,147.31	0.15	1,859.13	1,887.90	142,055,455.96	1.61	35,679.95	15,919.09
		CEC AB 841 Program Budget--IOU PA only											
		Applicable Annual % of difference between funding limitation & 2020 EE ABAL budget 3	\$ -	\$ -									
		IOU 2020 and Beyond Uncommitted and Unspent Carryover Balance	\$ -	\$ -									
		CEC AB 841 Total	\$ -	\$ -									
		PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ -	\$ 26,682,993	11,953,763.94	1,147.31	0.15	1,859.13	1,887.90	142,055,455.96	1.61	35,679.95	15,919.09
		Financing Pilot Programs											
				\$ -									
				\$ -									
				\$ -									
				\$ -									
				\$ -									
		Financing Pilot Programs Total	\$ -	\$ -	-	-	-	-	-	-	-	-	-
		ME&O & ESA											
		ME&O ¹		\$ -									
		ESA ²		\$ -									
				\$ -									

Notes: (PA to add as needed, e.g., relevant advice letter references, decision references and any other need)

1. ME&O requested budget for 2021 per AL 3498-E/3835-G.

2. SDG&E Financing Administrative cost is per AL 3451-E-A/2818-G.

3. Per D.21-01-xxx, percentage allocation is 70% for 2022 and 60% for 2023. For SDG&E that base for calc

4 Add footnote on Non-EE budgeted overheads.

⁵ For all PAs, EM&V costs only includes IOU's Total EM&V budget (PA + ED). For the IOU EM&V budget it dc

⁶ PAs have the option of inputting by program or by total

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023

Table 5 - Committed Energy Efficiency Program Funding - Funds Not Yet Spent as of 7/31/2021

Accrued funds not yet spent	Electric Procurement	Natural Gas Public	
Category	Funds	Purpose Funds	Total
2017 to date EM&V Funds	\$0	\$0	\$0
2017 to date Program Funds - Utility	\$0	\$0	\$0
2017 to date Program Funds - REN	\$0	\$0	\$0
2017 to date Program Funds - CCA	\$0	\$0	\$0
2018 to date EM&V Funds	\$0	\$0	\$0
2018 to date Program Funds - Utility	\$0	\$0	\$0
2018 to date Program Funds - REN	\$318,529	\$60,672	\$379,201
2018 to date Program Funds - CCA	\$0	\$0	\$0
2019 to date EM&V Funds	\$0	\$0	\$0
2019 to date Program Funds - Utility	\$0	\$0	\$0
2019 to date Program Funds - REN	\$0	\$0	\$0
2019 to date Program Funds - CCA	\$0	\$0	\$0
2020 to date EM&V Funds	\$0	\$0	\$0
2020 to date Program Funds - Utility	\$0	\$0	\$0
2020 to date Program Funds - REN	\$549,229	\$235,384	\$784,613
2020 to date Program Funds - CCA	\$0	\$0	\$0
2021 to date EM&V Funds	\$0	\$0	\$0
2021 to date Program Funds - Utility	\$0	\$0	\$0
2021 to date Program Funds - REN	\$0	\$0	\$0
2021 to date Program Funds - CCA	\$0	\$0	\$0

Pa Na Bay Area Regional Energy Network (BayREN)
Budget 2022-2023

Table 7 - PA Program Year Budget Savings

Line	Sector	Program Year (PY) 2022 Budget	FORECAST ENERGY SAVINGS (Net)					Program Year (PY) 2023 Budget	FORECAST ENERGY SAVINGS (Net)				
			PA forecast kWh	PA forecast kW	PA forecast therms (MM)	PA Forecast Elec CO2	PA Forecast GasCO2		PA forecast kWh	PA forecast kW	PA forecast therms (MM)	PA Forecast Elec CO2	PA Forecast GasCO2
Resource Acquisition Program Segment													
	Residential	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Commercial	\$3,822,347	4,599,900	605	0.01	1,191	80	\$3,956,347	6,985,438.07	920.34	0.02	1,888.31	116.32
4	PA Subtotal (does not include ESA budget and savings)	\$3,822,347	4,599,900	605	0.01	1,191	80	\$3,956,347	6,985,438	920	0.02	1,888	116
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$6,286,277						\$10,185,086					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	1.06						1.37					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.67						2.62					
Market Support Program Segment													
	Residential	\$2,879,500	-	-	-	-	-	\$2,985,600	-	-	-	-	-
	Commercial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$2,879,500	-	-	-	-	-	\$2,985,600	-	-	-	-	-
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$0						\$0					
	Portfolio Forecasted Total Resource Cost (TRC)	0.00						0.00					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.00						0.00					
Equity Program Segment													
	Residential	\$16,574,376	6,384,434	185	0.12	(131)	2,070	\$16,874,376	4,968,325.87	226.97	0.13	(29.18)	1,771.58
	Commercial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$16,574,376	6,384,434	185	0.12	(131)	2,070	\$16,874,376	4,968,326	227	0	(29)	1,772
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$2,223,719						\$2,246,051					
	Portfolio Forecasted Total Resource Cost (TRC)	0.19						0.18					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.18						0.17					
Portfolio													
	Residential	\$19,453,876	6,384,434	185	0.12	(131)	2,070	\$19,859,976	4,968,325.87	226.97	0.13	(29.18)	1,771.58
	Commercial	\$3,822,347	4,599,900	605	0.01	1,191	80	\$3,956,347	6,985,438.07	920.34	0.02	1,888.31	116.32
4	PA Subtotal (does not include ESA budget and savings)	\$23,276,223	10,984,334	790	0.13	1,060	2,150	\$23,816,323	11,953,764	1,147	0.15	1,859	1,888
5	CPUC Savings Goal (w/o C&S)		10,984,334	790	0.13	1,060	2,150		11,953,764	1,147	0.15	1,859	1,888
6	Forecast savings as % of CPUC Savings Goal (w/o C&S)	NA	100.0%	100.0%	100.0%	100.0%	100.0%	NA	100.0%	100.0%	100.0%	100.0%	100.0%
7	Total EM&V⁷	\$1,046,586						\$1,067,320					
7a	PA EM&V	\$287,811						\$293,513					
7b	ED EM&V	\$758,775						\$773,807					
	Portfolio Forecasted Total System Benefit (TSB)	\$8,509,996						\$12,431,137					
	Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EM&V)	0.36						0.48					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.35						0.49					
	Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.35						0.49					
8	Codes and Standards	\$1,841,850						\$1,799,350					
9	PA Spending Budget Request¹	\$26,164,659						\$26,682,993					
10	(LESS) PA Uncommitted and Unspent Carryover Balance²	\$3,410,599						\$0					
11	CEC AB 841 Program Funding³												
12	Applicable percentage (70%) of difference between funding limitation and 2020 budget	\$0						\$0					
13	PA 2020 and Beyond Uncommitted and Unspent Carryover Balance⁴	\$0						\$0					
14	CEC AB 841 Total Program Funding⁵	\$0						\$0					
15	PA Revenue Requirement Request (Cost Recovery)⁵	\$22,754,060						\$26,682,993					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to Exceed 30%)	74%						74%					
16	PA Authorized Budget Cap (D.18-05-041)	23,720,000						24,605,000					
17	Total PA (IOU+CCAs+RENs) Recovery Budget⁶	\$22,754,060						\$26,682,993					

¹ This is the IOU's requested EE Portfolio budget. This is the budget by which the Statewide Program compliance budget requirement of 25% will be measured.

² The balance of unspent uncommitted must reflect the total unspent uncommitted from pre-2020 EE authorized budgets Jan 1-2018 through Dec 31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. Because AB 841 does not apply to BayREN, this total includes the pre-2020 and 2020 Uncommitted and Unspent Carryover Balance.

³ See D.21-01-004 Tables 2 (2022) and 3 (2022)

⁴ Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.

⁵ The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12

⁶ Total amount to be requested in IOU's PPP advice letter for their programs, REN's and CCAs in their service territory, Line 15+ Line 21 + Line 22

⁷ For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = \$0.

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
Table 8 - Caps & Targets

Line	Budget Category	2022 Energy Efficiency Cap And Target Expenditure Projections						2023 Energy Efficiency Cap And Target Expenditure Projections					
		Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance		
		Non-Third Party Qualifying Costs (including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs ² (Local SW, CEC & AB 841)	Total Portfolio	Percent of Budget ⁵	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old definition 3P/GP contracts that don't meet the new definition)	Third Party Qualifying Costs ² (including SW)	Total Portfolio	Percent of Budget ⁵	Cap %	Target %
1	Administrative Costs												
2	PA ¹	\$ 1,670,250		\$ 1,670,250	6.4%	10.0%		\$ 1,674,250		\$ 1,674,250	6.4%	10.0%	
3	Non-PA Third Party & Partnership ²	\$ -	\$ -	\$ -	0.0%		10.0%	\$ -	\$ -	\$ -	0.0%		10.0%
4	PA & Non-PA Target Exempt Programs ³	\$ 183,750	\$ -	\$ 183,750				\$ 183,750	\$ -	\$ 183,750			
5	Marketing and Outreach Costs⁴												
6	Marketing & Outreach	\$ 2,730,018	\$ -	\$ 2,730,018	10.4%	6.0%		\$ 2,600,718	\$ -	\$ 2,600,718	9.9%	6.0%	
7	Statewide Marketing & Outreach ⁵	\$ -	\$ -	\$ -				\$ -	\$ -	\$ -			
8	Direct Implementation Costs												
9	Direct Implementation (Incentives and Rebates)	\$ 10,750,000	\$ -	\$ 10,750,000				\$ -	\$ 11,050,000	\$ 11,050,000			
10	Direct Implementation (Non Incentives and Non Rebates)	\$ 8,125,955	\$ -	\$ 8,125,955	31.1%	20.0%		\$ 8,491,355	\$ -	\$ 8,491,355	32.5%	20.0%	
11	Direct Implementation Target Exempt Programs (Non Incentives and Non Rebates) ³	\$ 1,658,100	\$ -	\$ 1,658,100				\$ 1,615,600	\$ -	\$ 1,615,600			
12	EM&V Costs (PA and Energy Division)^{6,7}	\$ 1,046,586		\$ 1,046,586	4.2%	4.0%		\$ 1,067,320		\$ 1,067,320	4.2%	4.0%	
12a	EM&V - PA	\$ 287,811		\$ 287,811				\$ 293,513		\$ 293,513			
12b	EM&V - ED	\$ 758,775		\$ 758,775				\$ 773,807		\$ 773,807			
13	Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O)⁸	\$ 26,164,659	\$ -	\$ 26,164,659				\$ 15,632,993	\$ 11,050,000	\$ 26,682,993			
14	CEC AB 841 (per CPUC Code Section 1613 counts as a Third Party Program as defined in D.18-08-019, OP 10)		\$ -	\$ -					\$ -	\$ -			
15	PA Spending Budget Request (PA Program and EM&V + CEC AB 841)⁹			\$ 26,164,659						\$ 26,682,993			
16	Total Third-Party Implementer Contracts + CEC AB 841 (as defined per D.16-08-019, OP 10 and D.21-01-xxx OP)^{10, 11}		\$ -		0.0%	60.0%			\$ 11,050,000		41.4%	60.0%	

- Notes:
- 10% cap requirement based on D. 09-09-047 is set for IOU only.
 - 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.
 - Target Exempt Programs are Non-Resource Programs which include: Emerging Technologies, Workforce Education & Training, Strategic Energy Resources (SER) program, 3P Placeholder for Public LGPs, and Codes & Standards programs (excluding Building Codes Advocacy, Appliance Standards Advocacy and National Standards Advocacy).
 - Statewide Marketing & Outreach (SW ME&O) is excluded from the Marketing and Outreach cost target calculation per D.13-12-038, at p. 82.
 - Statewide ME&O budgets for October 2019 through 2021 were requested in Advice Letter 098-G/5544-E and supplements, and are pending approval. The amount in Line 7 represents the portion allocated to EE.
 - For IOUs, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCAs EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = \$0.
 - The EM&V percentage is based on PA's total portfolio budget of \$X, which excludes SWME&O, RENs, CCAs and CEC AB 841. This is the Total in line 13, minus SWME&O in line 7.
 - As directed in the Energy Efficiency Policy Manual Version 5 July 2013, page 92, this total includes SW ME&O and excludes REN and CCA budgets and is the denominator used to calculate the IOU PA Admin, Marketing, and Direct Implementation Non-Incentives percentages.
 - IOU PA's 2021 Proposed Budget of \$X excludes SWME&O budget of \$Y and includes CEC AB 841 budgets of \$Z.
 - IOU PA's percentage for Third-Party Implementer Contracts uses \$X as its denominator, which is IOU PA Subtotal including EM&V, but excluding SWME&O, REN, and CCA. This is the Total in line 15 minus, minus SWME&O in line 7.
 - IOU's Third-Party Implementer Contracts (as defined per D.16-08-019, OP 10) includes third-party contract and incentive budgets and statewide qualifying contract and incentive budgets.

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
PORTFOLIO SUMMARY

Sector	2020 EE Portfolio Expenditures				2022 EE Portfolio Budget				2023 EE Portfolio Budget				2020 EE Portfolio Savings			2022 EE Portfolio Forecasted Savings			2023 EE Portfolio Forecasted Savings		
	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MMTHERMS	KWH	KW	METHERMS	KWH	KW	METHERMS
Residential	\$ 788,460.47	\$ 8,334,939.26	\$ 6,496,163.05	\$ 15,619,562.78	\$ 1,239,811.00	\$ 9,464,065.00	\$ 8,750,000.00	\$ 19,453,876.00	\$ 1,239,811.00	\$ 9,570,165.00	\$ 9,050,000.00	\$ 19,859,976.00	2,330,692	308	0.15	6,384,434	185	0	4,968,326	227	0
Commercial	\$ 68,254.07	\$ 1,161,775.98	\$ -	\$ 1,230,030.05	\$ 155,000.00	\$ 1,667,347.00	\$ 2,000,000.00	\$ 3,822,347.00	\$ 155,000.00	\$ 1,801,347.00	\$ 2,000,000.00	\$ 3,956,347.00	-	-	-	4,599,900	605	0	6,985,438	920	0
Industrial	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
Agricultural	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
Cross Cutting*	\$ 311,322.10	\$ 1,158,517.87	\$ -	\$ 1,469,839.97	\$ 505,000.00	\$ 1,336,850.00	\$ -	\$ 1,841,850.00	\$ 500,500.00	\$ 1,298,850.00	\$ -	\$ 1,799,350.00	-	-	-	-	-	-	-	-	-
Total Sector Budget	\$ 1,168,036.64	\$ 10,655,233.11	\$ 6,496,163.05	\$ 18,319,432.80	\$ 1,899,811.00	\$ 12,468,262.00	\$ 10,750,000.00	\$ 25,118,073.00	\$ 1,895,311.00	\$ 12,670,362.00	\$ 11,050,000.00	\$ 25,615,673.00	2,330,692	308	0.15	10,984,334	790	0	11,953,764	1,147	0
EM&V-PA	\$ -	\$ 140,291.25	\$ -	\$ 140,291.25	\$ -	\$ 287,811.00	\$ -	\$ 287,811.00	\$ -	\$ 293,513.00	\$ -	\$ 293,513.00	-	-	-	-	-	-	-	-	-
EM&V-ED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 773,807.00	\$ -	\$ 758,775.00	\$ -	\$ 773,807.00	\$ -	\$ 773,807.00	-	-	-	-	-	-	-	-	-
OBF - Loan Pool**	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
CEC AB841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
PA Spending Budget Request (PA Program and E)	\$ 1,168,036.64	\$ 10,795,524.36	\$ 6,496,163.05	\$ 18,459,724.05	\$ 1,899,811.00	\$ 13,529,880.00	\$ 10,750,000.00	\$ 26,164,659.00	\$ 1,895,311.00	\$ 13,737,682.00	\$ 11,050,000.00	\$ 26,682,993.00	2,330,692.00	308	0.15	10,984,334	790	0	11,953,764	1,147	0

* Cross Cutting Sector includes Codes & Standards, Emerging Technologies, Workforce Education & Training, Finance.

** For SDG&E and SCG the loan pool is not part of the authorized EE portfolio budget and is collected and tracked through a separate balancing account.

A. → 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.”¶

- → 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.¶

Pa Name:
Budget Year:
PORTFOLIO STAFFING

Bay Area Regional Energy Network (BayREN)
2022-2023

Functional Group	2020 EE Portfolio FTE (2)	2022 EE Portfolio FTE (2)	2023 EE Portfolio FTE (2)
Policy, Strategy, and Regulatory Reporting Compliance	1.6	1.8	1.8
Program Management	2.1	2.6	2.6
Engineering Services			
Customer Application/Rebate/Incentive Processing			
Customer Project Inspections			
Portfolio Analytics (1)			
EM&V			
ME&O (Local)			
Account Management / Sales			
IT			
Call Center			
Total	3.7	4.4	4.4

Notes:
(1) SDG&E does not have a Portfolio Analytics group. Each group performs their own analytics.
(2) FTE is equal to productive labor of 1788 hour per year.

||
A. → Narrative description of in-house departments/organizations supporting the PA's EE portfolio

- → Functions conducted by each department/organization
- → Management structure and org chart
- → Staffing needs by department/organization, including current and forecast for 2018, as well as a description of what changes are expected in the near term (2019-2020) or why it's impossible to predict beyond 2018, if that's the PA's position.
- → 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 (2019-2020) or why it's impossible to predict beyond 2018, if that's the PA's position.
- → Anticipated drivers of in-house cost changes by department/organization
- → Explanation of method for forecasting costs

||
B. → Table showing PA EE headcount by department/organization

- → TURN and ORA like this example, taken from testimony PG&E's 2017 GRC addressing its Energy Procurement department. We would be looking for 2016 or 2017 "recorded" positions, depending on what's most appropriate for the PA, or both, if that provides the most clarity. For forecast years, we'd want at least 2018.

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
RESIDENTIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 325,880.070	\$ 504,566.343	\$ 489,182.823
		Program Management	\$ 283,280.560	\$ 467,363.710	\$ 472,930.210
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ 179,299.840	\$ 267,880.947	\$ 277,697.967
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 788,460.470	\$ 1,239,811.000	\$ 1,239,811.000
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 6,353,717.160	\$ 7,132,025.964	\$ 6,768,401.769
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 329,889.110	\$ 332,394.554	\$ 373,221.187
		Program Management	\$ -	\$ -	\$ -
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 254,289.640	\$ 279,576.822	\$ 295,272.103
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 66,210.140	\$ 97,914.378	\$ 139,975.270
		ME&O (Local)	\$ 1,330,833.210	\$ 1,622,153.283	\$ 1,993,294.671
		Account Management / Sales	\$ -	\$ -	\$ -
		IT (4)	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
		Facilities	\$ -	\$ -	\$ -
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs	\$ 6,496,163.050	\$ 8,750,000.000	\$ 9,050,000.000
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 14,831,102.310	\$ 18,214,065.000	\$ 18,620,165.000
Residential Total			\$ 15,619,562.780	\$ 19,453,876.000	\$ 19,859,976.000
	Other (collected through GRC) (2)	Labor Overheads	\$ -	\$ -	\$ -

- Notes:
- (1) Labor costs are already loaded with (state loaders covered by EE)
 - (2) These costs are collected through GRC D.16-06-054
 - (3) LGP contracts that directly support the sector is included/not included in this item
 - (4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

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

¶

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)¶
- → Identify any capital costs¶

B. → 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.”¶

¶

- → 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.¶

Pa Name:
Budget Year:
COMMERCIAL BUDGET DETAIL

Bay Area Regional Energy Network (BayREN)
2022-2023

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Commercial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 57,230.790	\$ 129,966.938	\$ 129,966.938
		Program Management	\$ 11,023.280	\$ 25,033.062	\$ 25,033.062
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 68,254.070	\$ 155,000.000	\$ 155,000.000
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ -	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 1,057,590.330	\$ 1,517,822.794	\$ 1,639,805.953
		Program Management	\$ 48,523.000	\$ 69,638.794	\$ 75,235.469
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ 55,662.650	\$ 79,885.412	\$ 86,305.578
		Account Management / Sales	\$ -	\$ -	\$ -
		IT (4)	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
		Facilities	\$ -	\$ -	\$ -
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs	\$ -	\$ 2,000,000.000	\$ 2,000,000.000
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 1,161,775.980	\$ 3,667,347.000	\$ 3,801,347.000
Commercial Total (5)			\$ 1,230,030.050	\$ 3,822,347.000	\$ 3,956,347.000
	Other (collected through GRC) (2)	Labor Overheads	\$ -	\$ -	\$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

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

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)¶
- → Identify any capital costs¶

B. → 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.”¶

- → 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.¶

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
INDUSTRIAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Industrial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT			
		Call Center			
	Labor Total		\$ -	\$ -	\$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)			
		Local/Government Partnerships Contracts (3)			
		Other Contracts			
		Program Implementation			
		Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT (4)			
		Call Center			
		Facilities			
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs			
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)			
	Non-Labor Total		\$ -	\$ -	\$ -
Industrial Total (5)			\$ -	\$ -	\$ -
	Other (collected through GRC) (2)	Labor Overheads			
			\$ -	\$ -	\$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

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

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → 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.”

- → 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.

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
AGRICULTURAL BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Agricultural	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT			
		Call Center			
	Labor Total		\$ -	\$ -	\$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)			
		Local/Government Partnerships Contracts (3)			
		Other Contracts			
		Program Implementation			
		Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT (4)			
		Call Center			
		Facilities			
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs			
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)			
	Non-Labor Total		\$ -	\$ -	\$ -
Agricultural Total (5)			\$ -	\$ -	\$ -
	Other (collected through GRC) (2)	Labor Overheads			
			\$ -	\$ -	\$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

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

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)
- → Identify any capital costs

B. → 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.”

- → 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.

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
PUBLIC SECTOR BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Public Sector	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT			
		Call Center			
	Labor Total		\$ -	\$ -	\$ -
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)			
		Local/Government Partnerships Contracts (3)			
		Other Contracts			
		Program Implementation			
		Policy, Strategy, and Regulatory Reporting Compliance			
		Program Management			
		Engineering services			
		Customer Application/Rebate/Incentive Processing			
		Customer Project Inspections			
		Portfolio Analytics			
		ME&O (Local)			
		Account Management / Sales			
		IT (4)			
		Call Center			
		Facilities			
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs			
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)			
	Non-Labor Total		\$ -	\$ -	\$ -
Public Sector Total (5)			\$ -	\$ -	\$ -
	Other (collected through GRC) (2)	Labor Overheads			
			\$ -	\$ -	\$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".

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

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)¶
- → Identify any capital costs¶

B. → 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.”¶

- → 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.¶

Pa Name: Bay Area Regional Energy Network (BayREN)
Budget Year: 2022-2023
CROSS-CUTTING BUDGET DETAIL

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023 EE Portfolio Budget
Cross-Cutting	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 65,955.850	\$ 213,634.250	\$ 221,726.450
		Program Management	\$ 245,366.250	\$ 446,365.750	\$ 463,273.550
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 311,322.100	\$ 660,000.000	\$ 685,000.000
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 982,732.910	\$ 960,168.080	\$ 948,239.190
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 30,819.250	\$ 50,642.120	\$ 46,284.360
		Program Management	\$ 144,965.710	\$ 171,039.800	\$ 119,826.450
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT (4)	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
		Facilities	\$ -	\$ -	\$ -
		Incentives--(PA-implemented and Other Contracts Program Implementation) Programs	\$ -	\$ -	\$ -
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 1,158,517.870	\$ 1,181,850.000	\$ 1,114,350.000
Cross-Cutting Total (5)	Other (collected through GRC) (2)	Labor Overheads	\$ 1,469,839.970	\$ 1,841,850.000	\$ 1,799,350.000
			\$ -	\$ -	\$ -

Notes:
(1) Labor costs are already loaded with (state loaders covered by EE)
(2) These costs are collected through GRC D.16-06-054
(3) LGP contracts that directly support the sector is included/not included in this item
(4) IT Costs are included in " Policy, Strategy, and Regulatory Reporting Compliance".
(5) Under the previous program categories the following programs were classified as Cross Cutting: 3P-IDEEA, Local-IDSM-ME&O-Local Marketing (EE), SW-IDSM-IDSM. These are included in Table 16 Cross Cutting. These three programs are now classified as Commercial with the elimination of Cross Cutting programs.

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

- → Expenses broken out into labor, non-labor O&M (with contract labor identified)¶
- → Identify any capital costs¶

B. → 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.”¶

- → 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.¶

Pa Name: Bay Area Regional Energy Network (BayREN)

Budget Year: 2022-2023

Table 17: Metrics Compliance Filing

2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.

Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/ Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements	
0	BayREN	A03	PL1	G	MT CO2eq	GHG	Metric	RSF2-G+Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis**	CO2 equivalent of net annual kWh savings	Portfolio Level (PL)- All Sectors	2016		1,201	N/A	N/A	1,171	265	1,385
1	BayREN	A02	PL1	S1	First year annual kW gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW gross	Portfolio Level (PL)- All Sectors	2016		1,538	N/A	N/A	1,589	1,133	474
2	BayREN	A02	PL1	S1	First year annual kW net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW net	Portfolio Level (PL)- All Sectors	2016		1,384	N/A	N/A	1,311	850	333
3	BayREN	A02	PL1	S1	First year annual kWh gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh gross	Portfolio Level (PL)- All Sectors	2016		2,916,844	N/A	N/A	2,720,630	2,688,101	2,764,664
4	BayREN	A02	PL1	S1	First year annual kWh net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh net	Portfolio Level (PL)- All Sectors	2016		2,625,159	N/A	N/A	2,370,542	2,016,076	2,005,923
5	BayREN	A02	PL1	S1	First year annual Therm gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm gross	Portfolio Level (PL)- All Sectors	2016		373,542	N/A	N/A	277,123	323,558	377,398
6	BayREN	A02	PL1	S1	First year annual Therm net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm net	Portfolio Level (PL)- All Sectors	2016		336,188	N/A	N/A	228,707	242,668	246,025
7	BayREN	A02	PL1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW gross	Portfolio Level (PL)- All Sectors	2016		16,359	N/A	N/A	24,321	25,548	4,356
8	BayREN	A02	PL1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW net	Portfolio Level (PL)- All Sectors	2016		13,905	N/A	N/A	18,788	19,161	3,051
9	BayREN	A02	PL1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh gross	Portfolio Level (PL)- All Sectors	2016		40,075,545	N/A	N/A	2,720,630	46,810,413	31,691,335
10	BayREN	A02	PL1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh net	Portfolio Level (PL)- All Sectors	2016		36,067,991	N/A	N/A	28,824,445	35,107,810	23,296,125
11	BayREN	A02	PL1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante Therm gross	Portfolio Level (PL)- All Sectors	2016		5,978,198	N/A	N/A	4,105,390	5,614,209	5,200,570
12	BayREN	A02	PL1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante Therm net	Portfolio Level (PL)- All Sectors	2016		5,380,378	N/A	N/A	3,379,571	4,210,657	3,454,318
13	BayREN	A02	PL2	S3	First year annual kW gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kW gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		17	N/A	N/A	42	76	16
14	BayREN	A02	PL2	S3	First year annual kW net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kW net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		16	N/A	N/A	40	57	12
15	BayREN	A02	PL2	S3	First year annual kWh gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kWh gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		159,003	N/A	N/A	275,058	213,346	263,945
16	BayREN	A02	PL2	S3	First year annual kWh net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kWh net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		143,103	N/A	N/A	247,552	160,010	197,634
17	BayREN	A02	PL2	S3	First year annual Therm gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual Therm gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		13,843	N/A	N/A	17,387	25,125	15,084
18	BayREN	A02	PL2	S3	First year annual Therm net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual Therm net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		12,459	N/A	N/A	15,649	18,844	11,023
19	BayREN	A02	PL2	S3	Lifecycle ex-ante kW gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kW gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		280	N/A	N/A	548	1,294	237
20	BayREN	A02	PL2	S3	Lifecycle ex-ante kW net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kW net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		238	N/A	N/A	466	971	173
21	BayREN	A02	PL2	S3	Lifecycle ex-ante kWh gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kWh gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		2,497,013	N/A	N/A	3,484,979	3,498,839	3,895,245
22	BayREN	A02	PL2	S3	Lifecycle ex-ante kWh net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kWh net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		2,247,311	N/A	N/A	3,136,481	2,624,129	2,919,375
23	BayREN	A02	PL2	S3	Lifecycle ex-ante Therm gross	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm gross in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		231,185	N/A	N/A	250,440	429,088	210,537
24	BayREN	A02	PL2	S3	Lifecycle ex-ante Therm net	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm net in Disadvantaged Communities	Portfolio Level (PL)- All Sectors	2016		191,772	N/A	N/A	225,396	321,816	155,250
25	BayREN	A02	PL3	S4	First year annual kW gross	S4: Hard to reach markets	Metric	PL3-S4- 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 kW gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
26	BayREN	A02	PL3	S4	First year annual kW net	S4: Hard to reach markets	Metric	PL3-S4- 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 kW net in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
27	BayREN	A02	PL3	S4	First year annual kWh gross	S4: Hard to reach markets	Metric	PL3-S4- 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 kWh gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
28	BayREN	A02	PL3	S4	First year annual kWh net	S4: Hard to reach markets	Metric	PL3-S4- 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 kWh net in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
29	BayREN	A02	PL3	S4	First year annual Therm gross	S4: Hard to reach markets	Metric	PL3-S4- 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 gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
30	BayREN	A02	PL3	S4	First year annual Therm net	S4: Hard to reach markets	Metric	PL3-S4- 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 Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
31	BayREN	A02	PL3	S4	Lifecycle ex-ante kW gross	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kW gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
32	BayREN	A02	PL3	S4	Lifecycle ex-ante kW net	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kW net in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
33	BayREN	A02	PL3	S4	Lifecycle ex-ante kWh gross	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kWh gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
34	BayREN	A02	PL3	S4	Lifecycle ex-ante kWh net	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kWh net in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
35	BayREN	A02	PL3	S4	Lifecycle ex-ante Therm gross	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante Therm gross in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
36	BayREN	A02	PL3	S4	Lifecycle ex-ante Therm net	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante Therm net in Hard-to-Reach Markets	Portfolio Level (PL)- All Sectors	2016		-	N/A	N/A	-	-	-
37	BayREN	A02	PL4	LC	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kW)	Portfolio Level (PL)- All Sectors	2016		433	N/A	N/A	416	407	2,834
38	BayREN	A02	PL4	LC	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kWh)	Portfolio Level (PL)- All Sectors	2016		0.29	N/A	N/A	0.35	0.22	0.37
39	BayREN	A02	PL4	LC	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/therm)	Portfolio Level (PL)- All Sectors	2016		0.17	N/A	N/A	1.31	1.85	2.50

Table 17: Metrics Compliance Filing																		
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.																		
Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements	
40	BayREN	A02	PL4	LC	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kW)	Portfolio Level (PL) - All Sectors	2016		819	N/A	N/A	854	479	3,876
41	BayREN	A02	PL4	LC	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kWh)	Portfolio Level (PL) - All Sectors	2016		0.54	N/A	N/A	0.56	0.26	0.51
42	BayREN	A02	PL4	LC	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/therm)	Portfolio Level (PL) - All Sectors	2016		0.32	N/A	N/A	2.08	2.18	3.42
43	BayREN	A02	RSF1	S1	First year annual kW gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual kW gross	Residential (RSF)	2016		1,320	N/A	N/A	792	724	253
44	BayREN	A02	RSF1	S1	First year annual kW net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual kW net	Residential (RSF)	2016		1,188	N/A	N/A	594	543	167
45	BayREN	A02	RSF1	S1	First year annual kWh gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual kWh gross	Residential (RSF)	2016		933,329	N/A	N/A	520,164	503,480	643,566
46	BayREN	A02	RSF1	S1	First year annual kWh net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual kWh net	Residential (RSF)	2016		839,996	N/A	N/A	390,123	377,610	415,099
47	BayREN	A02	RSF1	S1	First year annual Therm gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual Therm gross	Residential (RSF)	2016		200,163	N/A	N/A	138,024	162,731	205,976
48	BayREN	A02	RSF1	S1	First year annual Therm net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	First year annual Therm net	Residential (RSF)	2016		180,147	N/A	N/A	103,518	122,048	117,459
49	BayREN	A02	RSF1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante kW gross	Residential (RSF)	2016		12,866	N/A	N/A	12,565	18,983	1,570
50	BayREN	A02	RSF1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante kW net	Residential (RSF)	2016		10,936	N/A	N/A	8,795	14,237	1,004
51	BayREN	A02	RSF1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante kWh gross	Residential (RSF)	2016		8,926,122	N/A	N/A	4,976,796	12,339,723	4,356,294
52	BayREN	A02	RSF1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante kWh net	Residential (RSF)	2016		8,033,510	N/A	N/A	3,732,597	9,254,793	2,794,844
53	BayREN	A02	RSF1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante Therm gross	Residential (RSF)	2016		3,082,662	N/A	N/A	2,101,867	2,985,906	2,681,295
54	BayREN	A02	RSF1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers**	Lifecycle ex-ante Therm net	Residential (RSF)	2016		2,774,396	N/A	N/A	1,576,400	2,239,430	1,564,862
55	BayREN	A03	RSF2	G	MT CO2eq	GHG	Metric	RSF2-G - Greenhouse gases (MT CO2eq) Net kWh savings reported on an annual basis**	CO2-equivalent of net annual kWh savings	Residential (RSF)	2016		248	N/A	N/A	114	104	539
56	BayREN	A03	RSF3	D1-D	Lifecycle NET kW	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - 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 kW net savings per participant - Opt-in - Downstream	Residential (RSF)	2016		4.80	N/A	N/A	6.33	8.72	0.21
57	BayREN	A03	RSF3	D1-D	Lifecycle NET kWh	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - 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 kWh net savings per participant - Opt-in - Downstream	Residential (RSF)	2016		3,487	N/A	N/A	2,687	5,671	576
58	BayREN	A03	RSF3	D1-D	Lifecycle NET Therms	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1D - 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-in - Downstream	Residential (RSF)	2016		1,204	N/A	N/A	1,135	1,372	323
59	BayREN	A03	RSF3	D1-M	Lifecycle NET kW	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - 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 kW net savings per participant - Opt-in - Midstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
60	BayREN	A03	RSF3	D1-M	Lifecycle NET kWh	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - 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 kWh net savings per participant - Opt-in - Midstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
61	BayREN	A03	RSF3	D1-M	Lifecycle NET Therms	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1M - 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-in - Midstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
62	BayREN	A03	RSF3	D1-O	Lifecycle NET kW	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - 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 kW net savings per participant - Opt-out	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
63	BayREN	A03	RSF3	D1-O	Lifecycle NET kWh	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - 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 kWh net savings per participant - Opt-out	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
64	BayREN	A03	RSF3	D1-O	Lifecycle NET Therms	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1O - 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		N/A	N/A	N/A	N/A	N/A	N/A
65	BayREN	A03	RSF3	D1-U	Lifecycle NET kW	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U - 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 kW net savings per participant - Opt-in - Upstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
66	BayREN	A03	RSF3	D1-U	Lifecycle NET kWh	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U - 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 kWh net savings per participant - Opt-in - Upstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
67	BayREN	A03	RSF3	D1-U	Lifecycle NET Therms	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1U - 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-in - Upstream	Residential (RSF)	2016		N/A	N/A	N/A	N/A	N/A	N/A
68	BayREN	A03	RSF4	P1	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	RSF-P1 - Percent of participation relative to eligible population**	Percent of participation relative to eligible population	Residential (RSF)	2016		2,304	1,856,431	0.07%	0.09%	0.26%	
69	BayREN	A03	RSF4	P3	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	RSF-P3 - Percent of participation in disadvantaged communities**	Percent of participation in disadvantaged communities	Residential (RSF)	2016		-	N/A	74,906	0.00%	0.06%	0.06%
70	BayREN	A03	RSF4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	RSF-P4 - Percent of participation by customers defined as "hard-to-reach"**	Percent of participation by customers defined as "hard-to-reach"	Residential (RSF)	2016		-	N/A	47,212	0.00%	0.00%	0.55%
71	BayREN	A03	RSF5	LC	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kW)	Residential (RSF)	2016		289	N/A	N/A	225	217	2,574
72	BayREN	A03	RSF5	LC	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kWh)	Residential (RSF)	2016		0.39	N/A	N/A	0.53	0.33	0.92
73	BayREN	A03	RSF5	LC	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/therm)	Residential (RSF)	2016		1.71	N/A	N/A	2.34	1.38	1.65
74	BayREN	A03	RSF5	LC	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kW)	Residential (RSF)	2016		524	N/A	N/A	381	204	3,122
75	BayREN	A03	RSF5	LC	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kWh)	Residential (RSF)	2016		0.71	N/A	N/A	0.90	0.31	1.12
76	BayREN	A03	RSF5	LC	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/therm)	Residential (RSF)	2016		3.08	N/A	N/A	3.97	1.29	2.00
77	BayREN	A03	RSF6i	E1i	BTU	Energy intensity per SF household	Indicator	RSF-E1i(Indicator) - Average energy use intensity of single family homes (average usage per household - not adjusted)**	Average first year annual kWh gross per household	Residential (RSF)	2016		N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	18,180,527	7,980
78	BayREN	A03	RMF1	S1-U	First year annual kW gross	S1: Energy Savings	Metric	RSF1-S1-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 shared space) for Single Family Customers**	First year annual kW gross - In Unit	Residential Sector - Multi-family (RMF)	N/A - Indicator		91	N/A	N/A	197	166	24
79	BayREN	A03	RMF1	S1-U	First year annual kW net	S1: Energy Savings	Metric	RSF1-S1-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 shared space) for Single Family Customers**	First year annual kW net - In Unit	Residential Sector - Multi-family (RMF)	2016		82	N/A	N/A	211	124	18
80	BayREN	A03	RMF1	S1-U	First year annual kWh gross	S1: Energy Savings	Metric	RSF1-S1-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 shared space) for Single Family Customers**	First year annual kWh gross - In Unit	Residential Sector - Multi-family (RMF)	2016		487,945	N/A	N/A	321,096	431,797	344,714

Table 17: M 2022-2023 f											
Index	2018 Target	2019 Target	2020 Target	Mid Term Annual Targets (2021-2023)	Long Term Annual Target (2024-2025)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions	Proxy Explanation
40	825	932	906	585	324	2,964	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
41	0.39	0.28	0.25	0.18	0.11	0.46	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
42	3.29	2.78	2.33	1.74	1.09	5.38	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
43	1,296	378	352	353	713	206	N/A	N/A		None	
44	972	283	264	265	535	107	N/A	N/A		None	
45	909,496	743,126	1,008,376	1,165,536	1,849,340	1,369,593	N/A	N/A		None	
46	682,122	557,344	756,282	874,152	1,387,005	955,627	N/A	N/A		None	
47	219,713	134,051	165,436	212,903	456,127	109,058	N/A	N/A		None	
48	164,784	100,538	124,077	159,677	342,095	59,343	N/A	N/A		"ex ante" refers to claimed savings	
49	23,259	3,740	3,662	4,460	7,959	3,192	N/A	N/A		"ex ante" refers to claimed savings	
50	16,281	2,618	2,563	3,122	5,571	1,417	N/A	N/A		"ex ante" refers to claimed savings	
51	16,317,191	6,655,310	9,109,283	10,999,955	16,005,920	11,173,534	N/A	N/A		"ex ante" refers to claimed savings	
52	12,237,893	4,991,482	6,831,962	8,249,966	12,004,440	8,244,850	N/A	N/A		"ex ante" refers to claimed savings	
53	3,920,632	2,394,300	2,892,731	3,822,696	8,386,960	1,768,336	N/A	N/A		"ex ante" refers to claimed savings	
54	2,940,474	1,795,725	2,169,548	2,867,022	6,290,220	914,076	N/A	N/A		"ex ante" refers to claimed savings	
55	94	34	48	49	66	555	N/A	N/A	CEDARS Annual Claims Output converted from short tons to metric tons CO2e	Definition: Single family are defined as service account on residential rates, with dwelling code of single family home or single family dwelling.	
56	10.85	1.45	0.95	0.78	1.11	0.36	1,417	3,881		Per ED: "Energy savings" = lifecycle NET savings.	
57	8,159	2,773	2,530	2,062	2,401	2,124	8,244,850	3,881		Per ED: "Energy savings" = lifecycle NET savings.	
58	1,960	998	804	713	1,258	236	914,076	3,881		Per ED: "Energy savings" = lifecycle NET savings.	
59	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
60	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
61	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
62	N/A	N/A	N/A	-	-	N/A	N/A	N/A		D10 Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
63	N/A	N/A	N/A	-	-	N/A	N/A	N/A		D10 Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
64	N/A	N/A	N/A	-	-	N/A	N/A	N/A		D10 Key Definitions: 1) The only opt-out program is the Home Energy Report using social norming through neighborhood comparisons 2) Per ED: "Energy savings" = lifecycle NET savings.	
65	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
66	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
67	N/A	N/A	N/A	-	-	N/A	N/A	N/A		Per discussion with ED, this metric not feasible and PAs agreed instead to report total upstream and midstream savings. "Energy savings" = lifecycle NET savings.	
68	0	0	0	0	0	0.21%	3,881	1,890,951		Definition: "Eligible population" refers to Total number of service accounts in sector/segment, excluding CARE. "Participation" is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year.	
69	-	0	0	0	0	0.07%	99	136,661	DAC SF projects / total SF DAC Population in BayREN territory	D.18-05-04: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of CalEnviroScreen 3.0 scores.	
70	-	0	0	0	0	0.09%	68	75,658		D.18-05-04: p. 43. HTR as defined in Resolution G.3897, modified to "include disadvantaged communities (as designated by CalEPA) in the geographic criteria for hard to reach customers."	Since PG&E does not yet report language data, this metric identifies residential customers as HTR if they meet the geographic and income and
71	202	1,428	1,452	1,015	385	1,707	N/A	N/A	(PAC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
72	0	1	1	0	0	0.29	N/A	N/A	(PAC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
73	1	3	2	1	1	2.65	N/A	N/A	(PAC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
74	462	1,620	1,545	1,012	481	2,172	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
75	1	1	1	0	0	0.37	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
76	3	3	2	1	1	3.37	N/A	N/A	(TRC Cost x Electric Benefits)/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
77	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	7,966	15,062,980,677	1,890,951	Total annual kWh gross converted to BTU/total SF housing units (PG&E data)	Definition: Household refers to a service account	
78	93	56	56	45	34	150	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in unit	Definition: Multi-family refers to any building or property with at least two residential housing units.	
79	83	42	42	34	25	112	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in unit	Definition: Multi-family refers to any building or property with at least two residential housing units.	
80	548,229	387,450	387,450	304,425	332,100	748,952	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms from in-unit measures * % kWh/kWh/Therms of savings in unit	Definition: Multi-family refers to any building or property with at least two residential housing units.	

Table 17: Metrics Compliance Filing																		
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.																		
Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements	
81	BayREN	A03	RMF1	S1-UU	First year annual kWh net	S1: Energy Savings	Metric	RMF-S1-UU First year annual kWh net (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 Unit	Residential Sector - Multi-family (RMF)	2016	439,150	N/A	N/A	288,986	323,848	258,535	
82	BayREN	A03	RMF1	S1-UU	First year annual Therm gross	S1: Energy Savings	Metric	RMF-S1-UU First year annual Therm gross (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	28,434	N/A	N/A	25,291	21,814	32,860	
83	BayREN	A03	RMF1	S1-UU	First year annual Therm net	S1: Energy Savings	Metric	RMF-S1-UU First year annual Therm net (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 net - In Unit	Residential Sector - Multi-family (RMF)	2016	25,591	N/A	N/A	22,762	16,361	24,645	
84	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante kW gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - In Unit	Residential Sector - Multi-family (RMF)	2016	1,460	N/A	N/A	2,866	2,659	304	
85	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante kW net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - In Unit	Residential Sector - Multi-family (RMF)	2016	1,241	N/A	N/A	2,436	1,994	224	
86	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante kWh gross (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 gross - In Unit	Residential Sector - Multi-family (RMF)	2016	7,662,758	N/A	N/A	4,068,272	6,813,234	4,442,400	
87	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante kWh net (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 net - In Unit	Residential Sector - Multi-family (RMF)	2016	6,896,482	N/A	N/A	3,661,445	5,109,925	3,331,800	
88	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante Therm gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - In Unit	Residential Sector - Multi-family (RMF)	2016	474,868	N/A	N/A	364,275	356,500	482,926	
89	BayREN	A03	RMF1	S1-UU	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-S1-UU Lifecycle ex-ante Therm net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - In Unit	Residential Sector - Multi-family (RMF)	2016	427,381	N/A	N/A	327,847	267,375	362,195	
90	BayREN	A03	RMF1	S1-MM	First year annual kW gross	S1: Energy Savings	Metric	RMF-S1-MM First year annual kW gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW gross - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	75	57	
91	BayREN	A03	RMF1	S1-MM	First year annual kW net	S1: Energy Savings	Metric	RMF-S1-MM First year annual kW net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW net - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	57	43	
92	BayREN	A03	RMF1	S1-MM	First year annual kWh gross	S1: Energy Savings	Metric	RMF-S1-MM First year annual kWh gross (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 gross - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	394,013	720,259	
93	BayREN	A03	RMF1	S1-MM	First year annual kWh net	S1: Energy Savings	Metric	RMF-S1-MM First year annual kWh net (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 - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	295,510	540,194	
94	BayREN	A03	RMF1	S1-MM	First year annual Therm gross	S1: Energy Savings	Metric	RMF-S1-MM First year annual Therm gross (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 - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	113,906	121,118	
95	BayREN	A03	RMF1	S1-MM	First year annual Therm net	S1: Energy Savings	Metric	RMF-S1-MM First year annual Therm net (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 net - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	85,430	90,838	
96	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante kW gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	1,209	718	
97	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante kW net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	907	528	
98	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante kWh gross (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 gross - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	6,217,056	9,282,129	
99	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante kWh net (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 net - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	4,662,792	6,961,596	
100	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante Therm gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	1,861,510	1,779,991	
101	BayREN	A03	RMF1	S1-MM	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-S1-MM Lifecycle ex-ante Therm net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - Master Metered	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	-	1,396,132	1,334,994	
102	BayREN	A03	RMF1	SI-CA	First year annual kW gross	S1: Energy Savings	Metric	RMF-SI-CA First year annual kW gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW gross - Common Area	Residential Sector - Multi-family (RMF)	2016	127	N/A	N/A	105	168	140	
103	BayREN	A03	RMF1	SI-CA	First year annual kW net	S1: Energy Savings	Metric	RMF-SI-CA First year annual kW net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	First year annual kW net - Common Area	Residential Sector - Multi-family (RMF)	2016	114	N/A	N/A	112	126	105	
104	BayREN	A03	RMF1	SI-CA	First year annual kWh gross	S1: Energy Savings	Metric	RMF-SI-CA First year annual kWh gross (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 gross - Common Area	Residential Sector - Multi-family (RMF)	2016	1,495,570	N/A	N/A	1,879,371	1,358,811	1,056,126	
105	BayREN	A03	RMF1	SI-CA	First year annual kWh net	S1: Energy Savings	Metric	RMF-SI-CA First year annual kWh net (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 - Common Area	Residential Sector - Multi-family (RMF)	2016	1,346,013	N/A	N/A	1,691,433	1,010,108	792,094	
106	BayREN	A03	RMF1	SI-CA	First year annual Therm gross	S1: Energy Savings	Metric	RMF-SI-CA First year annual Therm gross (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 - Common Area	Residential Sector - Multi-family (RMF)	2016	144,251	N/A	N/A	113,808	25,106	17,444	
107	BayREN	A03	RMF1	SI-CA	First year annual Therm net	S1: Energy Savings	Metric	RMF-SI-CA First year annual Therm net (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 net - Common Area	Residential Sector - Multi-family (RMF)	2016	129,826	N/A	N/A	102,427	18,829	13,083	
108	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante kW gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW gross - Common Area	Residential Sector - Multi-family (RMF)	2016	2,033	N/A	N/A	1,522	2,698	1,763	
109	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante kW net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante kW net - Common Area	Residential Sector - Multi-family (RMF)	2016	1,728	N/A	N/A	3,249	2,023	1,296	
110	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante kWh gross (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 gross - Common Area	Residential Sector - Multi-family (RMF)	2016	23,486,665	N/A	N/A	23,811,559	21,440,400	13,610,512	
111	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante kWh net (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 net - Common Area	Residential Sector - Multi-family (RMF)	2016	21,137,999	N/A	N/A	21,430,403	16,080,300	10,207,884	
112	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante Therm gross (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm gross - Common Area	Residential Sector - Multi-family (RMF)	2016	2,409,086	N/A	N/A	1,639,248	410,293	256,357	
113	BayREN	A03	RMF1	SI-CA	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	RMF-SI-CA Lifecycle ex-ante Therm net (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit, common area, and master metered accounts)	Lifecycle ex-ante Therm net - Common Area	Residential Sector - Multi-family (RMF)	2016	1,964,911	N/A	N/A	1,475,323	307,720	192,268	
114	BayREN	A03	RMF2	G	MT CO2eq	GHG	Metric	RMF-G Greenhouse gases (MT CO2eq) Net kWh savings reported on an annual basis	CO2 equivalent of net annual kWh savings	Residential Sector - Multi-family (RMF)	2016	953	N/A	N/A	1,057	161	846	
115	BayREN	A04	RMF3	D3a	Lifecycle NET kW	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kW net per project (building)	Residential Sector - Multi-family (RMF)	2016	15.88	N/A	N/A	46.05	23.12	6.78	
116	BayREN	A04	RMF3	D3a	Lifecycle NET kWh	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante kWh net per project (building)	Residential Sector - Multi-family (RMF)	2016	149,917	N/A	N/A	115,631	121,376	66,563	
117	BayREN	A04	RMF3	D3a	Lifecycle NET Therms	D3: Depth of interventions per building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)	Lifecycle ex-ante Therm net per project (building)	Residential Sector - Multi-family (RMF)	2016	13,936	N/A	N/A	8,310	9,255	6,135	
118	BayREN	A04	RMF3	D4	Lifecycle NET kW	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)	Lifecycle ex-ante kW net per project (property)	Residential Sector - Multi-family (RMF)	2016	0	N/A	N/A	156	66	29	
119	BayREN	A04	RMF3	D4	Lifecycle NET kWh	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)	Lifecycle ex-ante kWh net per project (property)	Residential Sector - Multi-family (RMF)	2016	333,744	N/A	N/A	392,060	344,707	288,750	
120	BayREN	A04	RMF3	D4	Lifecycle NET Therms	D4: Depth of interventions per property	Metric	RMF-D4 - Average savings per participant Savings per project (property)	Lifecycle ex-ante Therm net per project (property)	Residential Sector - Multi-family (RMF)	2016	31,024	N/A	N/A	28,175	26,283	26,612	
121	BayREN	A04	RMF3	D5	Lifecycle NET kW	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot	Lifecycle ex-ante kW net per square foot	Residential Sector - Multi-family (RMF)	2016	-	N/A	N/A	0.00	0.00	0.00	

Table 17: M 2022-2023 f												
Index	2018 Target	2019 Target	2020 Target	Mid Term Annual Targets (2021-2023)	Long Term Annual Target (2024-2025)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions	Proxy Explanation	
81	493,407	290,588	290,588	228,319	249,075	561,714	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
82	25,535	25,830	25,830	20,664	22,140	26,435	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms from in-unit measures * % kWh/kWh/Therms of savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
83	22,982	19,373	19,373	15,498	16,605	19,826	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
84	1,301	846	846	677	508	2,047	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
85	1,106	593	593	474	356	1,505	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
86	7,733,896	5,811,750	5,811,750	4,566,375	4,981,500	10,065,877	N/A	N/A	CEDARS lifecycle gross or net kWh/kWh/Therms from in-unit measures * % kWh/kWh/Therms of savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
87	6,960,506	4,358,813	4,358,813	3,424,781	3,736,125	7,549,408	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
88	361,261	387,450	387,450	309,960	332,100	377,398	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
89	325,135	290,588	290,588	232,470	249,075	283,048	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings in-unit	Definition: Multi-family refers to any building or property with at least two residential housing units.		
90	-	-	-	-	-	-	5	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
91	-	-	-	-	-	-	4	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
92	-	-	-	-	-	-	27,318	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
93	-	-	-	-	-	-	20,488	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
94	-	-	-	-	-	-	99,244	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
95	-	-	-	-	-	-	74,433	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
96	-	-	-	-	-	-	73	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
97	-	-	-	-	-	-	54	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
98	-	-	-	-	-	-	367,152	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
99	-	-	-	-	-	-	275,364	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
100	-	-	-	-	-	-	1,416,858	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
101	-	-	-	-	-	-	1,062,644	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings master-metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).
102	129	79	79	63	47	112	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
103	116	59	59	47	35	84	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
104	1,680,346	1,187,550	1,187,550	933,075	1,017,900	1,057,150	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
105	1,512,311	890,663	890,663	699,806	763,425	792,862	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
106	129,545	131,040	131,040	104,832	112,320	201	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
107	116,591	98,280	98,280	78,624	84,240	151	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
108	1,811	1,179	1,179	943	707	1,535	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
109	1,539	825	825	660	495	1,128	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
110	23,704,705	17,813,250	17,813,250	13,996,125	15,268,500	14,208,042	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
111	21,334,235	13,359,938	13,359,938	10,497,094	11,451,375	10,656,031	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
112	1,832,740	1,965,600	1,965,600	1,572,480	1,684,800	2,875	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
113	1,494,829	1,335,994	1,335,994	1,068,795	1,145,138	2,157	N/A	N/A	CEDARS first year annual gross or net kWh/kWh/Therms * % of kWh/kWh/Therms savings common area metered	Definition: Multi-family refers to any building or property with at least two residential housing units.	PG&E consulted the American Community Survey and the 2010-2012 PG&E and SCE Multifamily Energy Efficiency Database Program (IMEER).	
114	330	261	241	166	172	912	N/A	N/A	CEDARS Annual Claims Output converted from short tons to metric tons CO2e	Definition: Multi-family refers to any building or property with at least two residential housing units.		
115	13	8	8	6	3	14.76	2,687	182	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by total # of Buildings	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications - "Energy savings" = Lifecycle NET savings	Since PG&E does not require building information to be collected and reported from vendors, PG&E used an estimate of 6.0 buildings per property.	
116	139,931	95,514	95,514	75,047	54,580	101,543	18,480,803	182	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by total # of Buildings	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications - "Energy savings" = Lifecycle NET savings	Since PG&E does not require building information to be collected and reported from vendors, PG&E used an estimate of 6.0 buildings per property.	
117	9,805	9,551	9,551	7,641	5,458	7,406	1,347,848	182	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by total # of Buildings	D3 Key Definitions: Project applications are made at the property level (premise ID and service account number) not the building level; building information will be used as is available on project applications - "Energy savings" = Lifecycle NET savings	Since PG&E does not require building information to be collected and reported from vendors, PG&E used an estimate of 6.0 buildings per property.	
118	0	0	0	0	0	69	2,687	39	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by # of properties/participants	D4 Definition: "Project (property)" is defined by a unique combination of premise ID and service account. "Energy savings" = Lifecycle NET savings		
119	358,303	244,571	244,571	192,163	139,755	473,867	18,480,803	39	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by # of properties/participants	D4 Definition: "Project (property)" is defined by a unique combination of premise ID and service account. "Energy savings" = Lifecycle NET savings		
120	25,105	24,457	24,457	19,566	13,975	34,560	1,347,848	39	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by # of properties/participants	D4 Definition: "Project (property)" is defined by a unique combination of premise ID and service account. "Energy savings" = Lifecycle NET savings		
121	0	0	0	0	0	0.00	2,687	4,230,734	CEDARS Lifecycle Gross or Net Therms/kWh/kWh divided by total square feet of all properties	Per ID: "Energy savings" = lifecycle NET savings.	PG&E does not currently collect square footage data from multi-family program participants, and estimates the average square footage per participant to be	

Table 17: Metrics Compliance Filing																			
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.																			
Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements		
122	BayREN	A04	RMF3	D5	Lifecycle NET kWh	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Lifecycle ex-ante kWh net per square foot	Residential Sector – Multi-family (RMF)	2016		7	N/A	N/A	6	6	4	
123	BayREN	A04	RMF3	D5	Lifecycle NET Therms	D5: Depth of interventions**Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Lifecycle ex-ante Therm net per square foot	Residential Sector – Multi-family (RMF)	2016		0.65	N/A	N/A	0.43	0.44	0.37	
124	BayREN	A04	RMF4	P1-P	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	RMF-P1P **Percent of participation relative to eligible population (by unit, and property)**	Percent of participation relative to eligible population by property	Residential Sector – Multi-family (RMF)	2016		0.01%	125	1,431,478	0.00%	0.32%	0.00%	
125	BayREN	A04	RMF4	P1-U	Percent	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	RMF-P1U **Percent of participation relative to eligible population (by unit, and property)**	Percent of participation relative to eligible population by unit	Residential Sector – Multi-family (RMF)	2016		0.35%	5,000	1,431,478	0.36%	0.36%	0.68%	
126	BayREN	A04	RMF4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	RMF-P2 - Percent of square feet of eligible population participating (by property)**	Percent of square feet of eligible population participating (by property)	Residential Sector – Multi-family (RMF)	2016		0.01%	5,000	1,145,182,400	0.36%	0.38%	0.68%	
127	BayREN	A04	RMF4	P3: DAC	Percent	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	RMF-P3 - Percent of participation in disadvantaged communities**	Percent of participation in disadvantaged communities	Residential Sector – Multi-family (RMF)	2016		0.41%	5,000	100,203	12.50%	0.73%	0.95%	
128	BayREN	A04	RMF4	P4: HTR	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	RMF-P4** Percent of participation by customers defined as "hard-to-reach"**	Percent of participation by customers defined as "hard-to-reach"	Residential Sector – Multi-family (RMF)	2016		0.00%	N/A	N/A	0.00%	0.00%	0.00%	
129	BayREN	A04	RMF5	B1	Percent	B1: MF Benchmarking Penetration	Metric	RMF-B1 - Percent of benchmarked multi-family properties relative to the eligible population***	Percent of benchmarked multi-family properties relative to the eligible population	Residential Sector – Multi-family (RMF)	2016		0.00%	-	1,431,478	0.00%	0.09%	0.00%	
130	BayREN	A04	RMF5	B6	Percent	B6: Benchmarking of HTR Properties	Metric	B6(RMF) - Percent of benchmarking by properties defined as "hard-to-reach"***	Percent of benchmarking by properties defined as "hard-to-reach"	Residential Sector – Multi-family (RMF)	2016		0.00%	N/A	N/A	0.00%	0.00%	0.00%	
131	BayREN	A04	RMF6	LC	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kW)	Residential Sector – Multi-family (RMF)	2016		1,512	N/A	N/A	497	726	1,786	
132	BayREN	A04	RMF6	LC	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kWh)	Residential Sector – Multi-family (RMF)	2016		0.16	N/A	N/A	0.20	0.14	0.18	
133	BayREN	A04	RMF6	LC	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/therm)	Residential Sector – Multi-family (RMF)	2016		0.58	N/A	N/A	0.70	1.81	1.94	
134	BayREN	A04	RMF6	LC	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kW)	Residential Sector – Multi-family (RMF)	2016		3,584	N/A	N/A	863	1,097	3,178	
135	BayREN	A04	RMF6	LC	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kWh)	Residential Sector – Multi-family (RMF)	2016		0.38	N/A	N/A	0.34	0.21	0.32	
136	BayREN	A04	RMF6	LC	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/therm)	Residential Sector – Multi-family (RMF)	2016		1.37	N/A	N/A	1.21	2.74	3.44	
137	BayREN	A04	RMF7i	Ei2	BTU/unit	Energy Intensity per MF unit	Indicator	RMF-Ei2[Indicator] Average energy use intensity of multifamily units, including in-unit accounts	Average first year ex-ante kWh gross per unit	Residential Sector – Multi-family (RMF)	2016	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	8,515,914	4,299		
138	BayREN	A04	RMF7i	Ei3	BTU/sqft	Energy Intensity per MF unit square foot	Indicator	RMF-Ei3[Indicator] Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted **	Average first year ex-ante kWh gross per square foot	Residential Sector – Multi-family (RMF)	N/A - Indicator	10,645	5						
139	BayREN	A05	C1	S1	First year annual kW gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW gross	Commercial Sector (C)	N/A - Indicator	N/A	N/A	N/A	N/A	N/A	N/A		
140	BayREN	A05	C1	S1	First year annual kW net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
141	BayREN	A05	C1	S1	First year annual kWh gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh gross	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
142	BayREN	A05	C1	S1	First year annual kWh net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
143	BayREN	A05	C1	S1	First year annual Therm gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm gross	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
144	BayREN	A05	C1	S1	First year annual Therm net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
145	BayREN	A05	C1	S1	Lifecycle ex-ante kW gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW gross	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
146	BayREN	A05	C1	S1	Lifecycle ex-ante kW net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
147	BayREN	A05	C1	S1	Lifecycle ex-ante kWh gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh gross	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
148	BayREN	A05	C1	S1	Lifecycle ex-ante kWh net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
149	BayREN	A05	C1	S1	Lifecycle ex-ante Therm gross	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante Therm gross	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
150	BayREN	A05	C1	S1	Lifecycle ex-ante Therm net	S1: Energy Savings	Metric	C-S1** - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante Therm net	Commercial Sector (C)	2019		N/A	N/A	N/A	N/A	N/A	N/A	
151	BayREN	A05	C1	S2	Percent first year annual kW gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent first year annual kW gross	Commercial Sector (C)	2019		N/A	1,397	N/A	N/A	N/A	N/A	N/A
152	BayREN	A05	C1	S2	Percent first year annual kW net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (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)	2019		N/A	908	N/A	N/A	N/A	N/A	N/A
153	BayREN	A05	C1	S2	Percent first year annual kWh gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-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)	2019		N/A	3,631,708	N/A	N/A	N/A	N/A	N/A
154	BayREN	A05	C1	S2	Percent first year annual kWh net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-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)	2019		N/A	2,360,610	N/A	N/A	N/A	N/A	N/A
155	BayREN	A05	C1	S2	Percent first year annual Therm gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent first year annual Therm gross	Commercial Sector (C)	2019		N/A	20,412	N/A	N/A	N/A	N/A	N/A
156	BayREN	A05	C1	S2	Percent first year annual Therm net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent first year annual Therm net	Commercial Sector (C)	2019		N/A	13,268	N/A	N/A	N/A	N/A	N/A
157	BayREN	A05	C1	S2	Percent lifecycle ex-ante kW gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent lifecycle ex-ante kW gross	Commercial Sector (C)	2019		N/A	22,349	N/A	N/A	N/A	N/A	N/A
158	BayREN	A05	C1	S2	Percent lifecycle ex-ante kW net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent lifecycle ex-ante kW net	Commercial Sector (C)	2019		N/A	13,409	N/A	N/A	N/A	N/A	N/A
159	BayREN	A05	C1	S2	Percent lifecycle ex-ante kWh gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent lifecycle ex-ante kWh gross	Commercial Sector (C)	2019		N/A	58,107,329	N/A	N/A	N/A	N/A	N/A
160	BayREN	A05	C1	S2	Percent lifecycle ex-ante kWh net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent lifecycle ex-ante kWh net	Commercial Sector (C)	2019		N/A	37,769,764	N/A	N/A	N/A	N/A	N/A
161	BayREN	A05	C1	S2	Percent lifecycle ex-ante Therm gross	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (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)	2019		N/A	326,592	N/A	N/A	N/A	N/A	N/A
162	BayREN	A05	C1	S2	Percent lifecycle ex-ante Therm net	S2: Percent Overall Sectoral Savings	Metric	C-S2 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) as a percentage of overall sectoral usage**	Percent lifecycle ex-ante Therm net	Commercial Sector (C)	2019		N/A	212,285	N/A	N/A	N/A	N/A	N/A

Table 17: M 2022-2023											
Index	2018 Target	2019 Target	2020 Target	Mid Term Annual Targets (2021-2023)	Long Term Annual Target (2024-2025)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions	Proxy Explanation
122	4	6	4	3	3	4	18,480,803	4,230,734	CEEDMS Lifecycle Gross or Net therms/kWh/kW divided by total square feet of all properties	Per ID: "Energy savings" = lifecycle NET savings.	PG&E does not currently collect square footage data from multi-family program participants, and estimates the average square footage per participant to be 1,514,771 sq. ft.
123	1	0	0	0	0	0.32	1,347,848	4,230,734	CEEDMS Lifecycle Gross or Net therms/kWh/kW divided by total square feet of all properties	Per ID: "Energy savings" = lifecycle NET savings.	PG&E does not currently collect square footage data from multi-family program participants, and estimates the average square footage per participant to be 1,514,771 sq. ft.
124	0	0	0	0	0	0.00%	39	1,514,771	Number of BayREN properties/# of MF properties in BayREN territory from PGE	"Eligible Population" Total number of service accounts in sector/segment, excluding CARE. "Participation" is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. "Service accounts" for households are tagged, coded, and/or have a different PGE ID. "Participation" Total number of service accounts in sector/segment, excluding CARE. "Participation" is defined as the first instance of participation, should a customer participate more than once or participate in multiple programs in the calendar year. PAs also need to have enough information about a customer to determine if the customer is in the eligible population and service territory. "Service accounts" for households are tagged, coded, and/or have a different PGE ID.	PG&E has not historically tracked and reported the number of unique properties treated through programs that work with MF customers. PG&E has not historically tracked and reported the number of unique units treated through programs that work with MF customers. PG&E will track this data from multi-family program participants, and estimates the average square footage per participant to be 1,514,771 sq. ft.
125	0	0	0	0	0	0.55%	3,945	713,638	Total Number Units/PG&E Total MF Units in BayREN Territory from CoStar		
126	0	0	0	0	0	0.66%	4,230,734	641,874,563	Total square feet / (CoStar data for total MF units x avg square feet (899.44))		
127	0	0	0	0	0	5.77%	2,881	49,955	# of BayREN MF DAC Units / (CoStar data for total MF Units * .07)	0.18-05-041: DAC = Service accounts in zip codes corresponding to census tracts in the top quartile of Callinvidscreen 1.0 scores. "Participant" is defined as a unique person or entity identified through a combination of service account and premise ID and who participates in a ratepayer funded energy efficiency intervention.	
128	-	-	-	-	-	0.00%	-	-	0.18-05-041 p. 43: "HTR" as defined in Resolution G-3497, modified to "include disadvantaged communities (as designated by Callinvid) in the geographic criteria for hard to reach customers." "Participant" is defined as a unique person or entity identified through a combination of service account and premise ID and who participates in a ratepayer funded energy efficiency intervention.		Since PG&E does not collect language data, this metric identifies residential customers as HTR if they meet the geographic and income and reparability criteria. PG&E attempted to identify the number of MF properties from the American Community Survey, 2010-2012 Multifamily Energy Efficiency.
129	0	0	0	0	0	0.00%	7	1,514,771	BayREN benchmarked properties/ total MF properties in BayREN Territory		Since PG&E does not collect language data, this metric identifies multifamily customers that benchmarked as HTR if they meet the geographic and income criteria.
130	-	-	-	-	-	0.00%	-	-			
131	1,418	2,613	2,316	1,959	1,756	1,129	N/A	N/A	PAC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
132	0	0	0	0	0	0.16	N/A	N/A	PAC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
133	1	2	2	2	1	2.25	N/A	N/A	PAC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
134	2,104	3,241	2,894	2,363	2,084	2,303	N/A	N/A	TRC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
135	0	0	0	0	0	0.33	N/A	N/A	TRC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
136	2	3	2	2	1	4.59	N/A	N/A	TRC Cost x Electric Benefits/Total Benefits/Lifecycle Net kW/kWh/Therms	None	
137	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	3,220	2,297,566,277	713,638	total annual kWh gross converted to BTU/total MF housing units		PG&E 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 segment.
138	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	4	2,297,566,277	641,874,563	total annual kWh gross converted to BTU/total MF housing units in BayREN territory (899.44 sq. ft.)		PG&E 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 segment.
139	N/A	1,397	1,129	1,637	2,385	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
140	N/A	908	734	1,064	1,550	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
141	N/A	3,631,708	2,936,109	4,253,960	6,201,471	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
142	N/A	2,360,610	1,908,471	2,765,074	4,030,956	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
143	N/A	20,412	40,906	52,040	61,338	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
144	N/A	13,268	26,589	33,826	39,870	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
145	N/A	22,349	18,060	26,188	38,159	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
146	N/A	13,409	10,836	15,713	22,895	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
147	N/A	58,107,329	46,977,744	68,063,359	99,223,531	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
148	N/A	37,769,764	30,535,534	44,241,183	64,495,295	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
149	N/A	326,592	654,490	832,646	981,409	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
150	N/A	212,285	425,419	541,220	637,916	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	Since the Potential Study does not distinguish public sector energy savings potential from commercial sector energy savings potential, PG&E cannot distinguish public sector energy savings potential from commercial sector energy savings potential.
151	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
152	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
153	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
154	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
155	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
156	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
157	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
158	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
159	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
160	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
161	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	
162	N/A	0	0	0	0	N/A	N/A	N/A	Due to contract delays, BayREN's commercial resource program will launch in 2021, and did not have any projects or claims in 2020.	None	

Table 17: Metrics Compliance Filing																	
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.																	
Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements
163	BayREN	A05	C2	G	MT CO2eq	GHG	Metric	C-G+Greenhouse gases (MT CO2eq) Net kWh savings, reported on an annual basis	CO2 equivalent of net annual kWh savings	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
164	BayREN	A05	C3	D2	Percent lifecycle gross kW	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption.	Percent lifecycle gross kW	Commercial Sector (C)	2019	N/A	6	N/A	N/A	N/A	N/A
165	BayREN	A05	C3	D2	Percent lifecycle gross kWh	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption.	Percent lifecycle gross kWh	Commercial Sector (C)	2019	N/A	15,132	N/A	N/A	N/A	N/A
166	BayREN	A05	C3	D2	Percent lifecycle gross Therms	D2: Depth of interventions by project	Metric	Energy savings (gross kWh, therms) as a fraction of total project consumption.	Percent lifecycle gross Therms	Commercial Sector (C)	2019	N/A	170	N/A	N/A	N/A	N/A
167	BayREN	A05	C4	P1L	Percent	P1: Penetration of energy efficiency programs in the eligible market	Metric	***P1M***Percent of participation relative to eligible population for small, medium, and large customers**	Percent of participation relative to eligible population for large customers	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
168	BayREN	A05	C4	P1M	Percent	P1: Penetration of energy efficiency programs in the eligible market	Metric	***P1M***Percent of participation relative to eligible population for small, medium, and large customers**	Percent of participation relative to eligible population for medium customers	Commercial Sector (C)	2019	N/A	3,385	N/A	N/A	N/A	N/A
169	BayREN	A05	C4	P1S	Percent	P1: Penetration of energy efficiency programs in the eligible market	Metric	***P1S***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)	2019	N/A	1,953	N/A	N/A	N/A	N/A
170	BayREN	A05	C4	P2	Percent	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	C-P2 - Percent of square feet of eligible population**	Percent of square feet of eligible population	Commercial Sector (C)	2019	N/A	17,578,953	N/A	N/A	N/A	N/A
171	BayREN	A05	C4	P4	Percent	P4: Penetration of energy efficiency programs in the HTR market	Metric	C-P4 - Percent of participation by customers defined as "hard-to-reach"	Percent of participation by customers defined as "hard-to-reach"	Commercial Sector (C)	2019	N/A	Proxy	N/A	N/A	N/A	N/A
172	BayREN	A05	C5	B2	Percent	Square Footage of Commercial Benchmarking Penetration	Metric	C-B2 - Percent of benchmarked square feet of eligible population**	Percent of benchmarked square feet of eligible population	Commercial Sector (C)	2019	N/A	30,975,480	N/A	N/A	N/A	N/A
173	BayREN	A05	C5	B5L	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(L) - Percent of benchmarked customers relative to eligible population for large customers	Percent of benchmarked customers relative to eligible population for large customers	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
174	BayREN	A05	C5	B5M	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(M) - Percent of benchmarked customers relative to eligible population for medium customers	Percent of benchmarked customers relative to eligible population for medium customers	Commercial Sector (C)	2019	N/A	642	N/A	N/A	N/A	N/A
175	BayREN	A05	C5	B5S	Percent	Benchmarking Penetration for Commercial Sector	Metric	B5(S) - Percent of benchmarked customers relative to eligible population for small customers	Percent of benchmarked customers relative to eligible population for small customers	Commercial Sector (C)	2019	N/A	684	N/A	N/A	N/A	N/A
176	BayREN	A05	C5	B6	Percent	B6: Benchmarking of HTR Properties	Metric	B6(C) - Percent of benchmarking by customers defined as "hard-to-reach"	Percent of benchmarking by customers defined as "hard-to-reach"	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
177	BayREN	A05	C6	LC	PAC Levelized Cost (\$/kW)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kW)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
178	BayREN	A05	C6	LC	PAC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kWh)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
179	BayREN	A05	C6	LC	PAC Levelized Cost (\$/therm)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/therm)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
180	BayREN	A05	C6	LC	TRC Levelized Cost (\$/kW)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kW)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
181	BayREN	A05	C6	LC	TRC Levelized Cost (\$/kWh)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kWh)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
182	BayREN	A05	C6	LC	TRC Levelized Cost (\$/therm)	Cost per unit saved	Metric	C-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/therm)	Commercial Sector (C)	2019	N/A	N/A	N/A	N/A	N/A	N/A
183	BayREN	A06	C7I	N1	Percent	NMEC	Indicator	C-N1[Indicator] Fraction of total projects utilizing Normalized Metered Energy Consumption (NMEC) to estimate savings**	Percent of total projects utilizing Normalized Metered Energy Consumption (NMEC) to estimate savings	Commercial Sector (C)	201900.00%	N/A - Indicator	N/A	N/A	N/A	N/A	N/A
184	BayREN	A06	C7I	N2	Percent	NMEC	Indicator	C-N2[Indicator] Fraction of total savings (gross kWh and therm) derived from NMEC analysis**	Percent of total savings (gross kWh and therm) derived from NMEC analysis	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A - Indicator	N/A	N/A
185	BayREN	A06	C8I	C5	Percent	Satisfaction	Indicator	C-C5[Indicator] Improvement in customer satisfaction**	Percent improvement in customer satisfaction	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A - Indicator	N/A	N/A
186	BayREN	A06	C8I	T5	Percent	Satisfaction	Indicator	C-T5[Indicator] Improvement in trade ally satisfaction**	Percent improvement in trade ally satisfaction	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A - Indicator	N/A	N/A
187	BayREN	A06	C9I	F1	Percent	Investment in energy efficiency	Indicator	C-F - [Indicator] Fraction of total investments made by ratepayers and private capital**	Percent of total investments made by ratepayers and private capital	Commercial Sector (C)	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A - Indicator	N/A	N/A
188	BayREN	A10	CS1	S1	Net GWh	S1: Energy Savings	Metric	Net Energy Savings: GWh, M Therms and MW (demand)	Net GWh savings	Codes & Standards (CS)	N/A - Indicator	N/A	N/A	N/A	N/A	N/A	N/A
189	BayREN	A10	CS1	S1	Net MMTherms	S1: Energy Savings	Metric	Net Energy Savings: GWh, M Therms and MW (demand)	Net MMTherms savings	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
190	BayREN	A10	CS1	S1	Net MW	S1: Energy Savings	Metric	Net Energy Savings: GWh, M Therms and MW (demand)	Net MW savings	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
191	BayREN	A10	CS2	1	Count	Advocacy-Building	Metric	Number of measures supported by CASE studies in rulemaking cycle (current work)	Number of measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
192	BayREN	A10	CS2	2	Count	Advocacy-Building	Metric	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Number of measures adopted by CEC in rulemaking cycle (indicator of past work)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
193	BayREN	A10	CS3	1	Count	Advocacy-Appliance	Metric	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Number of T-20 measures supported by CASE studies in rulemaking cycle (current work)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
194	BayREN	A10	CS3	2	Count	Advocacy-Appliance	Metric	Number of measures adopted by CEC in current year	Number of measures adopted by CEC in current year	Codes & Standards (CS)	2017	N/A	N/A	N/A	N/A	N/A	N/A
195	BayREN	A10	CS4	1	Count	Advocacy-Federal	Metric	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activities)	Number of federal standards adopted for which a utility advocated (IOUs to list advocated activities)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
196	BayREN	A10	CS4	2	Count	Advocacy-Federal	Metric	Percent of federal standards adopted for which a utility advocated (# IOU supported / # DOE adopted)	Percent of federal standards adopted for which a utility advocated (# IOU supported / # DOE adopted)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
197	BayREN	A10	CS5	1	Count	Reach Codes	Metric	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	The number of local government Reach Codes implemented (this is a joint IOU and REN effort)	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
198	BayREN	A11	CS6	1	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size of the target audience by sector. (N/A) Number of	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size of the target audience by sector. (N/A) Number of	Codes & Standards (CS)	2016	N/A	N/A	N/A	N/A	N/A	N/A
199	BayREN	A11	CS6	2	Count	Compliance Improvement	Metric	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size of the target audience by sector. (N/A) Number of	Number of training activities (classes, webinars) held, number of market actors participants by segment (e.g. building officials, builders, architects, etc.) and the total size of the target audience by sector. (N/A) Number of	Codes & Standards (CS)	2017	N/A	N/A	N/A	N/A	N/A	N/A
200	BayREN	A11	CS6	3	Score	Compliance Improvement	Metric	Increase in code compliance knowledge pre/post training	Increase in code compliance knowledge pre/post training	Codes & Standards (CS)	2017	N/A	N/A	N/A	N/A	N/A	N/A
201	BayREN	A11	CS6R	1	Percent	Compliance Improvement	Metric	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	Codes & Standards (CS)	2,018	N/A	N/A	N/A	N/A	N/A	N/A
202	BayREN	A11	CS6RI	1	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	3300.00%	4600.00%				
203	BayREN	A11	CS6RI	1	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Number and percent of jurisdictions with staff participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	30.28%	42.20%				

Table 17: Metrics Compliance Filing																	
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.																	
Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num	Baseline Denom	2017 Achievements	2018 Achievements	2019 Achievements
204	BayREN	A11	CS6RI	2	Count	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	41	38				
205	BayREN	A11	CS6RI	2	Percent	Compliance Improvement	Indicator	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Number and percent of jurisdictions receiving Energy Policy technical assistance.	Codes & Standards (CS)	N/A - Indicator	0	0				
206	BayREN	A11	CS6RI	3	Count	Compliance Improvement	Indicator	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Codes & Standards (CS)	N/A - Indicator	90	92				
207	BayREN	A11	CS6R	1	Percent	Compliance Improvement	Metric	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	The percentage increase in closed permits for building projects triggering energy code compliance within participating jurisdictions	Codes & Standards (CS)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
208	BayREN	A11	CS6RI	1	Count	Compliance Improvement	Indicator	Number of organizations with staff participating in an Energy Policy Forum	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	N/A	N/A
209	BayREN	A11	CS6RI	1	Percent	Compliance Improvement	Indicator	Percent of jurisdictions with staff participating in an Energy Policy Forum	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	N/A	N/A
210	BayREN	A11	CS6RI	2	Count	Compliance Improvement	Indicator	Number of organizations directly engaged in Codes & Standards activities	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	N/A	N/A
211	BayREN	A11	CS6RI	2	Percent	Compliance Improvement	Indicator	Percent of jurisdictions directly engaged in Codes & Standards activities	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	N/A	N/A
212	BayREN	A11	CS6RI	3	Count	Compliance Improvement	Indicator	Buildings receiving enhanced code compliance support	Buildings receiving enhanced code compliance support and delivering compliance data to program evaluators	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
213	BayREN	A11	CS6RI	2	Count	Compliance Improvement	Indicator	Total number of attendees participating in an Energy Policy Forum	Total number of attendees participating in an Energy Policy Forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
214	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Jurisdictions adopt and implement energy policies and reach codes	Number of jurisdictions that adopt and implement reach codes or energy policies	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
215	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Local Governments (LGs) institutionalize the use of BayREN guides and tools for code compliance	Number of jurisdictions that use BayREN guides and tools for code compliance	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
216	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Water utilities offer onbill mechanism	Number of water utilities offering programs with BayREN on bill mechanism	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
217	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Regional fund to support water/energy projects	Amount of regional funds allocated	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
218	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	LG staff knowledgeable of energy code requirements and best practices for code compliance	Count of jurisdictions with staff who attend a BayREN energy code training	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
219	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	LG staff knowledgeable of energy code requirements and best practices for code compliance	Count of local government staff who indicate an increase in energy code requirements and best practices for code compliance	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
220	BayREN	NA	NA	BVM1	Percent	BayREN Value Metric	Indicator	LG staff knowledgeable of energy code requirements and best practices for code compliance	Percent of local government staff who indicate an increase in energy code requirements and best practices for code compliance	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
221	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	LG staff expand energy policy knowledge and/or networks that enable future energy policy work	Count of jurisdictions with staff who attend a BayREN forum	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
222	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	LG staff expand energy policy knowledge and/or networks that enable future energy policy work	Count of respondents who indicate they increased their energy policy knowledge	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
223	BayREN	NA	NA	BVM1	Percent	BayREN Value Metric	Indicator	LG staff expand energy policy knowledge and/or networks that enable future energy policy work	Percent of respondents who indicate they increased their energy policy knowledge	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
224	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	LG staff expand energy policy knowledge and/or networks that enable future energy policy work	Count of respondents who indicate forum expanded their energy efficiency networks (helping to build relationships that will enable future energy policy work)	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
225	BayREN	NA	NA	BVM1	Percent	BayREN Value Metric	Indicator	LG staff expand energy policy knowledge and/or networks that enable future energy policy work	Percent of respondents who indicate forum expanded their energy efficiency networks (helping to build relationships that will enable future energy policy work)	Codes & Standards (CS)	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
226	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Local realtors and appraisers green certified	Number of realtors and appraisers certified (e.g., National Green Certified Real Estate Professionals)	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
227	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Local contractors proficient with decarb measures	Number of trained contractors who have performed 3+ projects of decarbonization measures	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
228	BayREN	NA	NA	BVM1	Count	BayREN Value Metric	Indicator	Local lenders trained and knowledgeable of EE financing options	Number of local lenders trained	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
229	BayREN	NA	NA	BVM1	Percent	BayREN Value Metric	Indicator	Local lenders trained and knowledgeable of EE financing options	Percent of local lenders trained who report an increase in knowledge about EE financing options	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
230	BayREN	NA	NA	BVM2	Count	BayREN Value Metric	Indicator	SFMI Households served	Number of SFMI Households	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
231	BayREN	NA	NA	BVM2	First year annual net kWh	BayREN Value Metric	Indicator	SFMI Energy Savings	kWh saved by SFMI households	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
232	BayREN	NA	NA	BVM2	First year annual net kW	BayREN Value Metric	Indicator	SFMI Energy Savings	kW saved by SFMI households	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
233	BayREN	NA	NA	BVM2	First year annual net therms	BayREN Value Metric	Indicator	SFMI Energy Savings	Therms saved by SFMI households	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
234	BayREN	NA	NA	BVM2	Count	BayREN Value Metric	Indicator	MF Sites served	MF small and/or owner occupied buildings (i.e., LDTS)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
235	BayREN	NA	NA	BVM2	Count	BayREN Value Metric	Indicator	MF tenants (units) served	MF small and/or owner occupied tenant units (i.e., LDTS)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
236	BayREN	NA	NA	BVM2	First year annual net kWh	BayREN Value Metric	Indicator	MF energy savings in MF units and common areas	kWh saved - MF small and owner occupied (i.e., LDTS)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
237	BayREN	NA	NA	BVM2	First year annual net kW	BayREN Value Metric	Indicator	MF energy savings in MF units and common areas	kWh saved - MF small and owner occupied (i.e., LDTS)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
238	BayREN	NA	NA	BVM2	First year annual net therms	BayREN Value Metric	Indicator	MF energy savings in MF units and common areas	therms saved - MF small and owner occupied (i.e., LDTS)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
239	BayREN	NA	NA	BVM2	Count	BayREN Value Metric	Indicator	SMB customers served	SMB customers	Commercial sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
240	BayREN	NA	NA	BVM2	First year annual net kWh	BayREN Value Metric	Indicator	SMB Energy Savings	kWh saved - SMB	Commercial sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
241	BayREN	NA	NA	BVM2	First year annual net kW	BayREN Value Metric	Indicator	SMB Energy Savings	kWh saved - SMB	Commercial sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
242	BayREN	NA	NA	BVM2	First year annual net therms	BayREN Value Metric	Indicator	SMB Energy Savings	therms saved - SMB	Commercial sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
243	BayREN	NA	NA	BVM3	Milestones	BayREN Value Metric	Indicator	ZNC/Clean Heating Pathway Innovative Solution Pilot	Pilot ready to scale (see method column)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
244	BayREN	NA	NA	BVM3	Milestones	BayREN Value Metric	Indicator	SMB PAP Model Pilot	Pilot ready to scale (see method column)	Commercial sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A

Table 17: M 2022-2023 f											
Index	2018 Target	2019 Target	2020 Target	Mid Term Annual Targets (2021-2023)	Long Term Annual Target (2024-2025)	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions	Proxy Explanation
204	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	72	N/A	N/A	Number of City or County local government jurisdictions in the Bay Area receiving energy policy technical assistance.	Energy Policy technical assistance: BayREN facilitated technical assistance services to assist with local government activities including but not limited to implementation of energy and energy efficiency related requirements for Title 24 or development of local policies and ordinances that meet or exceed energy and energy efficiency related requirements of Title 24.	
205	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	1	72	109	Numerator: Number of City or County local government jurisdictions in the Bay Area receiving energy policy technical assistance. Denominator: Number of City of County local government jurisdictions in BayREN territory (109)	Energy Policy technical assistance: BayREN facilitated technical assistance services to assist with local government activities including but not limited to implementation of energy and energy efficiency related requirements for Title 24 or development of local policies and ordinances that meet or exceed Title 24	
206	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	77	N/A	N/A	Number of buildings that received enhanced compliance support	Enhanced code compliance support: BayREN facilitated compliance improvement services. "Compliance data" may include but is not limited to completed CEC Title 24 Part 6 Compliance Forms and CBECC or other compliance software calculated compliance margins	
207	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	In 2020, BayREN explored potential options to evaluate permit closure rates and determined that this metric is difficult to measure in an efficient way. BayREN is proposing the removal of this metric through the 2021 Annual Budget Advice Letter in consultation with Commission staff. Details are in the 2020 Annual Report		
208	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Number of organizations with staff attending Codes & Standards Energy Policy Forums		
209	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Numerator: Number of City or County local government jurisdictions participating in a Forum; Denominator: Number of City of County local government jurisdictions in BayREN territory (109)		
210	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Number of organizations attending Codes & Standards Energy Policy Forums, trainings, or other activities		
211	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Number of City or County local government jurisdictions in the Bay Area receiving energy policy technical assistance		
212	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Number of buildings that received enhanced compliance support		
213	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Number of attendees participating in an Energy Policy Forum		
214	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of jurisdictions that adopt and implement reach codes or energy policies. This will be provided with a description of those codes (in accompanying document).	A jurisdiction is a city, town, county in BayREN's service territory. There are 110 BayREN jurisdictions.	
215	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of jurisdictions that use BayREN guides and tools for code compliance such as permit guides, CodeCycle, ePermit tools, etc.	A jurisdiction is a city, town, county in BayREN's service territory. There are 110 BayREN jurisdictions.	Institutionalized indicates that it has become part of the normal process. Evaluation activities could follow up to determine this data
216	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of water utilities offering programs with BayREN on-bill mechanism	Value would be cumulative over time	
217	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Total regional funds (millions of dollars)		Note that the program will also be tracking allocated funds but this value measures the infrastructure.
218	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Counts from attendance records/sign-in sheets		
219	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after training		
220	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after training		
221	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Counts from attendance records/sign-in sheets		
222	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after forum		
223	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after forum		
224	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after forum		
225	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after forum		
226	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of realtors and appraisers certified (e.g., National Green Certified Real Estate Professionals)		
227	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of trained contractors who have performed 3+ projects of decarbonization measures		
228	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Counts from attendance records/sign-in sheets		
229	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Survey after training		
230	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of participating SFMI households	SFMI based on household income between \$48,000 and \$125,000	
231	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kWh saved	SFMI based on household income between \$48,000 and \$125,000	
232	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kW saved	SFMI based on household income between \$48,000 and \$125,000	
233	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net therms saved	SFMI based on household income between \$48,000 and \$125,000	
234	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of participating MF buildings	MF buildings (all and local difficult to serve populations). See implementation plan for list of local difficult to serve populations.	
235	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of participating MF tenant units	MF buildings (all and local difficult to serve populations). See implementation plan for list of local difficult to serve populations.	
236	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kWh saved	MF buildings (all and local difficult to serve populations). See implementation plan for list of local difficult to serve populations.	
237	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kW saved	MF buildings (all and local difficult to serve populations). See implementation plan for list of local difficult to serve populations.	
238	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net therms saved	MF buildings (all and local difficult to serve populations). See implementation plan for list of local difficult to serve populations.	
239	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Count of participating customers	SMBs are defined as meeting one of three criteria: less than 50,000 sq. ft. in size; use less than 500,000 kWh/year; or use less than 250,000 Therms/year	
240	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kWh saved	SMBs are defined as meeting one of three criteria: less than 50,000 sq. ft. in size; use less than 500,000 kWh/year; or use less than 250,000 Therms/year.	Will track ALL, HTR and DAC
241	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net kW saved	SMBs are defined as meeting one of three criteria: less than 50,000 sq. ft. in size; use less than 500,000 kWh/year; or use less than 250,000 Therms/year	Will track ALL, HTR and DAC
242	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	ex ante net therms saved	SMBs are defined as meeting one of three criteria: less than 50,000 sq. ft. in size; use less than 500,000 kWh/year; or use less than 250,000 Therms/year	Will track ALL, HTR and DAC
243	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Metric expected to be met in three years (2023). Mid-pilot evaluation to assess implementation and share lessons learned planned for 2021.		
244	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Metric expected to be met in five years (2025). Mid-pilot evaluation to assess implementation and share lessons learned planned for 2022 or 2023		

Table 17: Metrics Compliance Filing
2022-2023 Forecast is embedded in the Mid Term Forecast. Final results are provided in the Annual Report.

Index	PA	ATA Page	ATA Order	Method Code	Units of Measurement	Metric Type	Metric/Indicator	Business Plan Att A Description	Metric	Sector	Baseline Year	Baseline Number	Baseline Num Denom	2017 Achievements	2018 Achievements	2019 Achievements	
245	BayREN	NA	NA	BVM3	Milestones	BayREN Value Metric	Indicator	Water Energy Nexus Program Pilot	Pilot used regionally to meet State water goals (see method column)	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
246	BayREN	NA	NA	BVM3	Milestones	BayREN Value Metric	Indicator	Water Energy Nexus Program Pilot	Pilot able to report energy and water program metrics data using agreed upon protocols (see method column)	Portfolio Level - All Sectors	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A
247	BayREN	NA	NA	BVM3	Milestones	BayREN Value Metric	Indicator	Regional Mechanism(s) to Make Energy Assets Transparent at Time of Sale	Pilot mechanisms to make assets transparent at time of sale are institutionalized (see method column)	Residential Sector	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A

Index	2018 Target	2019 Target	2020 Target	Mid Term Annual Targets [2021-2023]	Long Term Annual Target [2024-2025]	2020 Achievements	2020 Numerator	2020 Denominator	Methodology	Key Definitions	Proxy Explanation
245	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Metric expected to be met in five years (2025). Mid-pilot evaluation to assess implementation and share lessons learned planned for 2023 or 2024.		
246	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Metric expected to be met in five years (2025). Mid-pilot evaluation to assess implementation and share lessons learned planned for 2023 or 2024.		
247	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A	N/A	N/A	Metric expected to be met in four years (2024). Mid-pilot evaluation to assess implementation and share lessons learned planned for 2021 or 2022.		



Local Governments Empowering Our Communities

Bay Area Regional Energy Network (BayREN)

Advice Letter 21-E-A

2022-2023 BBAL

Attachment B – CEDARS Confirmation

CEDARS FILING SUBMISSION RECEIPT

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

PA: Bay Area Regional Energy Network (BAY)

Budget Filing Year: 2022

Submitted: 22:41:44 on 10 Dec 2021

By: Jennifer Berg

Advice Letter Number: 21-E

* Portfolio Budget Filing Summary *

- TRC: 0.34
- PAC: 0.35
- TRC (no admin): 0.83
- PAC (no admin): 0.92
- RIM: 0.35
- Budget: \$26,164,659.62
- TotalSystemBenefit: \$8,509,996.00
- ElecBen: \$6,573,034.19
- GasBen: \$2,682,290.53
- OtherBen: \$0.00
- TRCCost: \$27,501,853.08
- PACCost: \$26,464,142.29

* Programs Included in the Budget Filing *

- BAYREN02: Multi Family
- BAYREN02-A: BAMBE Electrification
- BAYREN03: Codes and Standards Program
- BAYREN04: Water/Energy Nexus
- BAYREN05-A: Evaluation Measurement and Verification - BAYREN
- BAYREN06: Commercial
- BAYREN07: Green Labeling
- BAYREN08: Single Family

CEDARS FILING SUBMISSION RECEIPT

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

PA: Bay Area Regional Energy Network (BAY)

Budget Filing Year: 2023

Submitted: 22:42:41 on 10 Dec 2021

By: Jennifer Berg

Advice Letter Number: 21-E

* Portfolio Budget Filing Summary *

- TRC: 0.45
- PAC: 0.49
- TRC (no admin): 1.01
- PAC (no admin): 1.23
- RIM: 0.49
- Budget: \$26,682,992.56
- TotalSystemBenefit: \$12,431,136.94
- ElecBen: \$10,438,716.91
- GasBen: \$2,700,099.80
- OtherBen: \$0.00
- TRCCost: \$29,320,703.62
- PACCost: \$26,916,353.78

* Programs Included in the Budget Filing *

- BAYREN02: Multi Family
- BAYREN02-A: BAMBE Electrification
- BAYREN03: Codes and Standards Program
- BAYREN04: Water/Energy Nexus
- BAYREN05-A: Evaluation Measurement and Verification - BAYREN
- BAYREN06: Commercial
- BAYREN07: Green Labeling
- BAYREN08: Single Family