



ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.:

Utility type:

ELC GAS WATER
 PLC HEAT

Contact Person:

Phone #:

E-mail:

E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

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 #:

Does AL replace a withdrawn or rejected AL?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Summarize differences between the AL and the prior withdrawn or rejected AL: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:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

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:

Service affected and changes proposed¹:

Pending advice letters that revise the same tariff sheets:

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

Name:
Title:
Utility Name:
Address:
City:
State: 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	



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November 8, 2021

CA Public Utilities Commission
Energy Division
Attention: Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, CA 94102-3298

MCE Advice Letter 54-E

Re: Marin Clean Energy’s 2022 and 2023 Energy Efficiency Annual Budget Advice Letter

Pursuant to Decision (“D.”) 15-10-028, *Decision Re Energy Efficiency Goals for 2016 and Beyond and Energy Efficiency Rolling Portfolio Mechanics*,¹ D.18-05-041, *Decision Addressing Energy Efficiency Business Plans*,² D.21-05-031, *Assessment of Energy Efficiency Potential and Goals and Modification of Portfolio Approval and Oversight Process*,³ D.21-09-037, *Decision Adopting Energy Efficiency Goals for 2022 – 2032*,⁴ and guidance from the California Public Utilities Commission (“CPUC” or “Commission”), Marin Clean Energy (“MCE”) hereby submits its Annual Budget Advice Letter (“ABAL”) for Program Years (“PYs”) 2022 and 2023 as MCE Advice Letter (“AL”) 54-E.

Tier Designation

This AL has a Tier 2 designation pursuant to Ordering Paragraph (“OP”) 4 of D.15-10-028, and as confirmed in OP 13 of D.21-05-031.

Effective Date

Pursuant to G.O. 96-B, MCE requests that this Tier 2 AL become effective on December 8, 2021, which is 30 calendar days from the date of this filing.

¹ D.15-10-028, *Decision Re Energy Efficiency Goals for 2016 and Beyond and Energy Efficiency Rolling Portfolio Mechanics*, OP 4 at p.123.

² D.18-05-041, *Decision Addressing Energy Efficiency Business Plans*, OP 37, 40, 41, 44 at p. 190.

³ D.21-05-031, *Assessment of Energy Efficiency Potential and Goals and Modification of Portfolio Approval and Oversight Process*, OP 13 at p.84.

⁴ D.21-09-037, *Decision Adopting Energy Efficiency Goals for 2022-2032*, OP 4 at p.31.

Background

MCE has been administering energy efficiency (“EE”) funds under California Public Utilities Code (“Code”) Section 381.1(a)-(d) since 2013.⁵ The Commission originally restricted MCE’s EE programs to serving gaps in Investor Owned Utility (“IOU”) programs and hard-to-reach markets.⁶ At the time, the Commission acknowledged that these restrictions may cause MCE’s portfolio to fail the Total Resource Cost (“TRC”) test and thus did not initially impose a minimum cost effectiveness requirement on MCE.⁷ In 2014, however, the Commission lifted the restrictions and imposed the same cost effectiveness requirements on community choice aggregators (“CCAs”) as IOUs.⁸

On January 17, 2017, MCE filed a Business Plan with the Commission that requested authorization to expand MCE’s EE portfolio to include additional sectors and programmatic offerings.⁹ MCE proposed to offer programs in the following sectors: (1) Residential; (2) Commercial; (3) Industrial; (4) Agricultural; and (5) Workforce Education and Training (WE&T). On June 5, 2018, the Commission approved MCE’s Business Plan in D.18-05-041.¹⁰

ABAL Filing Requirements

D.15-10-028 requires each EE program administrator (“PA”) to submit an AL proposing a budget for the upcoming year’s EE portfolio by the first business day of September each year.¹¹ Subsequent Commission Decisions modified the ABAL filing requirements and due dates. More specifically, this AL complies with the Commission directive as outlined in the following Decisions.

D.15-10-028 directs that the ABAL shall contain a cost-effectiveness (“CE”) statement at the portfolio level, as well as summary tables with forecasted budgets and savings by sector and

⁵ To date, MCE is the only community choice aggregator (“CCA”) to have requested energy efficiency funding under Code Section 381.1(a)-(d).

⁶ D.12-11-015, *Decision Approving 2013-2014 Energy Efficiency Programs and Budgets*, at pp.45-6.

⁷ *Id.* at p. 46.

⁸ D.14-01-033, *Decision Enabling Community Choice Aggregators to Administer Energy Efficiency Programs*, at p. 14; *see also* D.14-10-046, *Decision Establishing Energy Efficiency Savings Goals and Approving 205 Energy Efficiency Programs and Budgets*, at p. 120.

⁹ *See Application of Marin Clean Energy for Approval of its Energy Efficiency Business Plan* (Application (“A.”) 17-01-017) filed January 17, 2017 (the “MCE Business Plan”).

¹⁰ D.18-05-041, OP 33 at p. 189.

¹¹ D.15-10-028, OP 4 at p.123.

program. The Decision also calls for a report on portfolio changes, annual spending, and fund shifting.¹²

D.18-05-041 authorized Commission staff to develop templates for the ABALs and directed the PAs to use these templates for future ABAL submissions.¹³ It also determined that PAs must include the following information in their ABAL submissions:

- Forecasted, claimed and evaluated CE information;
- Program, sector and portfolio budgets as well as authorized budgets, actual expenditures and annual budget caps in the business plan period;
- Forecasted, claimed and evaluated energy savings over the life of the Rolling Portfolio cycle;
- Greenhouse gas (“GHG”) savings forecasts, actuals and goals;
- Sector-level metrics; and
- Discussion of program and portfolio changes, including a description of how to improve programs’ CE over time.¹⁴

D.18-05-041 also determined that MCE’s forecasted energy savings goals must meet or exceed the annual energy savings targets established in its Business Plan¹⁵ and forecasted budget must not exceed the PA’s annual budget cap authorized in the Business Plan.¹⁶ Finally, D.18-05-041 determined that PAs must present a draft of their ABALs in a meeting of the California Energy Efficiency Coordinating Committee (“CAEECC”) prior to submission.¹⁷

D.21-05-031 determined that EE goals will be expressed in Total System Benefits (“TSB”) beginning in PY 2024. In PYs 2022 and 2023, PAs must report on TSB in addition to energy and peak demand savings.¹⁸ The Decision also segments the EE portfolios into three categories: Resource Acquisition, Market Support, and Equity.¹⁹ The Resource Acquisition segment of the portfolio must have a forecasted CE ratio that exceeds 1.0. Programs classified as Market Support or Equity must not meet a certain CE ratio but they are limited to not exceeding 30 percent of the

¹² Id.

¹³ D.18-05-041, OP 40 at p.191

¹⁴ Id., p.124ff

¹⁵ MCE’s energy savings goals for the portfolio cycle period (2018-2025) were established in D.18-05-041 (as proposed in MCE’s Business Plan) but were updated in the 2019 “true-up” ABAL.

¹⁶ D.18-05-041 at p. 133

¹⁷ Id. OP 42 at p.191

¹⁸ D.21-05-031, OP 1 at p.80. The Decision clarifies that the TSB metric of the portfolio shall be included in the ABAL filing but that it will not be considered a basis for the rejection of the ABAL. See D.21-05-031 at p.53.

¹⁹ D.21-05-031, OP 2 at p.81

overall portfolio budget.²⁰ D.21-05-031 further determines that program updates such as the opening or closure of programs may continue to be included in the budget ALs.²¹ The requirement to consult with the CAEECC before the filing of the ABAL is removed.²²

D.21-09-037 directs PAs to file the 2022-2023 ABAL by November 1, 2021, or 30 days after the issue date of that same decision.²³ It also determines that PAs must use the 2020 Avoided Cost Calculator (“ACC”) for the 2022-2023 ABAL.²⁴ Finally, it establishes a new process for non-IOU PAs to propose and update their portfolio goals and allows MCE to update their current EE portfolio goals via this ABAL filing.²⁵

Purpose

The purpose of this AL is to request approval of MCE’s proposed EE budget for PYs 2022 and 2023. MCE request that the Commission approve its PY 2022 budget of \$14,704,132 and PY 2023 budget of \$15,362,756 for a combined budget of \$30,066,888. In addition to the budget request, MCE provides the following information as directed by the governing Decisions outlined above:

1. Portfolio Segmentation
 - a. Resource Acquisition
 - b. Market Support
 - c. Equity
2. MCE’s Updated Portfolio Goals for 2022 and 2023
3. Goals, Cost Effectiveness and Budget
 - a. Forecasted Savings, Cost-Effectiveness, and Budget for PYs 2022 ad 2023
 - b. Claimed and Evaluated Savings and CE for the EE Portfolio to Date
 - c. GHG Emissions
 - d. Budget Request
4. Cost-Effectiveness Details
 - a. Cost-Effectiveness Challenges
 - b. Strategies to Improve Cost-Effectiveness
5. Portfolio and Program Changes
6. Metrics

Finally, MCE includes the following attachments with this AL:

- (1) Attachment A: MCE Budget Filing Appendix
- (2) Attachment B: MCE Supplemental Budget Showing
- (3) Attachment C: MCE Budget and Savings True-up Tables

²⁰ Id. OP 3 and 4 at p.81

²¹ Id. OP 12 at 83f

²² Id. OP 13 at 84

²³ D.21-09-037 at p.21

²⁴ Id.

²⁵ Id. at p.25

- (4) Attachment D: MCE Budget Filing Detail Report
- (5) Attachment E: MCE CEDARS Filing Submission Receipt

Discussion

1. Portfolio Segmentation

D.21-05-031 determined that beginning in PY 2022, EE portfolios must be segmented into three categories – Resource Acquisition, Market Support and Equity.²⁶ MCE outlines its portfolio segmentation proposal for PYs 2022 and 2023 below.²⁷

Resource Acquisition

Per D.21-05-031, Resource Acquisition programs are defined as:

*Programs with a primary purpose of, and a short-term ability to, deliver cost-effective avoided cost benefits to the electricity and natural gas systems. Short-term is defined as during the approved budget period for the portfolio [...]. This segment should make up the bulk of savings to achieve TSB goals.*²⁸

The programs within the Resource Acquisition segment have a primary focus to recognize energy efficiency as a resource by offering several participation pathways and program delivery strategies to maximize energy savings, customer benefit and increase cost effectiveness.

Table 1 describes MCE’s proposed Resource Acquisition programs for PYs 2022 and 2023. Note that MCE is updating its portfolio by creating unique program IDs for existing sub-programs in this year’s filing. More details on this update are provided in section 5.

²⁶ D.21-05-031, OP 2 at p.81.

²⁷ D.21-05-031 clarifies that the reasonableness of the program segmentation itself will not be a criterion for rejection of the ABAL since the segmentation will be addressed more fully in the evaluation of the business plan and portfolio filings in 2022. See D.21-05-031 at p.53.

²⁸ Id. at p.14.

Table 1: MCE’s Resource Acquisition Programs in PY 2022 and 2023

2022 and 2023 Program ID	2022 and 2023 Program Name ²⁹	Corresponding 2021 Program ID	Corresponding 2021 Program Name
MCE01	Multifamily Energy Savings (“MFES”)	MCE01	MF Comprehensive
MCE01c	Multifamily Strategic Energy Management (“SEM”)	N/A	N/A
MCE02a	Commercial Deemed	Commercial Upgrade	MCE02
MCE02b	Commercial Custom		
MCE02c	Commercial SEM		
MCE02d	Commercial Normalized Metered Energy Consumption (“NMEC”)		
MCE07	Single Family Home Energy Report	Single Family Comprehensive	MCE07
MCE10a	Industrial Deemed	Industrial	MCE10
MCE10b	Industrial Custom		
MCE10c	Industrial SEM		
MCE10d	Industrial NMEC		
MCE11a	Agricultural Deemed	Agricultural	MCE11
MCE11b	Agricultural Custom		
MCE11c	Agricultural SEM		
MCE11d	Agricultural NMEC		

Short Description of Each Program:

- a) **Multifamily Energy Savings (“MFES”) (MCE01):** The MFES program provides technical assistance, rebates, and direct install energy efficiency measures. The program implements a comprehensive service model to offer technical assistance and guide property owners to the best-fit energy and resource conservation options. The program also provides participants with a uniform and integrated presentation of opportunities across programs with varied demand side management strategies.
- b) **Multifamily SEM (MCE01c):** MCE is proposing to launch a new Multifamily SEM program in 2022. The Multifamily SEM program will drive measurable savings by engaging with property owners and managers to implement energy efficiency projects and

²⁹ MCE made some program ID changes to its non-residential programs resulting from Program ID reorganization. The Commercial, Industrial, and Agricultural programs are broken out into four separate Program IDs for each participation pathway for the 2022 and 2023 ABAL filing. These new program ID changes will be reflected in CEDARS.

create an energy strategy with a focus on low to no-cost Behavioral, Retrocommissioning, and Operational (“BRO”) measures.

- c) **Commercial Deemed (MCE02a):** The Commercial Deemed program offers an easy and efficient pathway to encourage participation by offering a broad array of prescriptive measures and incentives.
- d) **Commercial Custom (MCE02b):** The Commercial Custom program provides a calculated approach to individualized offerings for commercial customers to install EE measures above code. The program is tailored towards meeting customer needs in the form of technical assistance, flexible incentives, and project management to deliver reliable and persistent electric and gas savings.
- e) **Commercial SEM (MCE02c):** The Commercial SEM program drives measurable savings by engaging with participants over at least two years to implement energy efficiency projects and create an energy strategy with a focus on low to no-cost BRO measures.
- f) **Commercial NMEC (MCE02d):** The Commercial NMEC program offers a flexible path for commercial aggregators to bridge the gap of customer needs and MCE's energy efficiency resource needs. This population-level NMEC program leverages a market platform to procure cost-effective energy efficiency, as well as benefits which accrue to ultra-low global warming potential (“GWP”) refrigerant projects. It aims to scale up investment in energy efficiency projects by paying participants a variable rate for savings that is grounded in avoided cost values, which fosters an emphasis on peak period savings and load-shaped energy efficiency. Aggregator payments are based on the meter-verified benefits of the project, net of administrative and customer costs.
- g) **Single Family Home Energy Reports (“HER”) (MCE07):** The Single Family HER program offers behavioral intervention strategies to residential participants with the goal of achieving short-term energy and cost savings that can persist and produce long-term behavior changes. The program fosters participant engagement and education through regular and participant-specific touch points in the form of digital home energy reports and a web-based education portal.
- h) **Industrial Deemed (MCE10a):** The Industrial Deemed program offers an easy and efficient pathway to encourage participation by offering a broad array of prescriptive measures and incentives. The program is offered to all industrial customers.
- i) **Industrial Custom (MCE10b):** The Industrial Custom program provides a calculated approach to custom offerings for customers to install measures above code. The program is tailored towards meeting industrial customer needs by providing technical assistance, incentives, and project management to deliver reliable and persistent electric and gas savings.
- j) **Industrial SEM (MCE10c):** The Industrial SEM program drives measurable savings by engaging with participants over at least two years to implement energy efficiency projects and create an energy strategy with a focus on low to no-cost BRO measures.
- k) **Industrial NMEC (MCE10d):** The Industrial NMEC program offers a meter-based alternative to custom project development for industrial customers. Whereas the Industrial SEM program is designed specifically for BRO savings, the Industrial NMEC program is

geared towards projects that are similar to those that would be carried out in commercial buildings.

- l) **Agricultural Deemed (MCE11a):** The Agricultural Deemed program offers an easy and efficient pathway to encourage participation by offering a broad array of prescriptive measures and incentives. The program is offered to all agricultural customers and may facilitate opportunities for smaller business customers with low peak demands.
- m) **Agricultural Custom (MCE11b):** The Agricultural Custom program provides a calculated approach to custom offerings, technical assessments and increased financial incentives for customers to install measures above code.
- n) **Agricultural SEM (MCE11c):** The Agricultural SEM program drives measurable savings by engaging with participants over at least two years to implement energy efficiency projects and create an energy strategy with a focus on low to no-cost BRO measures.
- o) **Agricultural NMEC (MCE11d):** The Agricultural NMEC program offers a meter-based alternative to custom project development for Agricultural customers. Whereas the Agricultural SEM program is designed specifically for BRO savings, the Agricultural NMEC program is geared towards projects that are similar to those that would be carried out in commercial buildings.

Market Support

Per D.21-05-031, Market Support programs are defined as:

Programs with a primary objective of supporting the long-term success of the energy efficiency market by educating customers, training contractors, building partnerships, or moving beneficial technologies towards greater cost-effectiveness.³⁰

MCE has one program within the market support segment – the Workforce, Education and Training (“WE&T”) program. No energy savings are attributed to the program, but it directly supports MCE’s EE portfolio.

Table 2: MCE’s Market Support Programs in PY 2022 and 2023

Program ID	Program Name
MCE16	Workforce, Education, and Training (WE&T)

Short Description of Each Program:

Workforce, Education, and Training (“WE&T”) (MCE16): The WE&T program provides energy contractors working within MCE’s service area with no-cost technical trainings on home performance and electrification. The program also offers one-on-one field meetings with industry experts to help them identify savings opportunities and to receive feedback and technical best practices unique to their business. Furthermore, the program pairs qualifying contractors with pre-trained job seekers. Local job seekers receive home performance training, job coaching support,

³⁰ D.21-05-031 at p.14

and are paired with contractors for a paid work experience with the goal of providing a sustainable career for the job seeker and a well-prepared staff member for the contractor.

Equity

Per D.21-05-031, Equity programs are defined as:

Programs with a primary purpose of providing energy efficiency to hard-to-reach or underserved customers and disadvantaged communities in advancement of the Commission’s Environmental and Social Justice (ESJ) Action Plan; Improving access to energy efficiency for ESJ communities, as defined in the ESJ Action Plan, may provide corollary benefits such as increased comfort and safety, improved indoor air quality, and more affordable utility bills, consistent with Goals 1, 2, and 5 in the ESJ Action Plan.³¹

MCE’s equity segment includes two programs to advance electrification and comprehensive EE upgrades in disadvantaged and underserved communities.

Table 3: MCE’s Equity Programs for PY 2022 and 2023

Program ID	Program Name
MCE08	Home Energy Savings
MCE17	Commercial Equity

Short Description of Each Program

- **Home Energy Savings (“HES”) (MCE08):** The HES program targets moderate-income customers that are hard-to-reach (“HTR”), located in Disadvantaged Communities (“DACs”), or whose household income falls between 200% and 400% of the Federal Poverty Guidelines (“FPG”). The target group’s income exceeds the limit to receive services through programs like PG&E’s Energy Savings Assistance (“ESA”) program and MCE’s Low-Income Families and Tenants (“LIFT”) Program but is too constrained to participate in market rate programs, i.e., lower middle-income customers. The program provides no-cost energy needs assessments and, as appropriate, comprehensive home energy efficiency and electrification upgrades.
- **Commercial Equity (MCE17):** MCE will launch a Commercial Equity program in 2023 with a focus on increasing participation for small businesses located within HTR and underserved communities.³²

³¹ D.21-05-031 at p.14f

³² Underserved Community as defined in AB841.

2. Updated Portfolio Goals

As authorized under D.21-09-037, MCE is updating its 2022-2023 portfolio goals in this ABAL.³³ MCE’s portfolio goals were developed through an iterative, bottoms-up process that involves coordination between MCE staff, implementers, and technical consultants. MCE considered service area demographics, COVID-19 impacts, and other EE policy objectives when setting its updated portfolio goals for PYs 2022 and 2023.

MCE establishes its energy savings goals for PYs 2022 and 2023 in Table 4 below.

Table 4: MCE’s Updated Portfolio Goals for PYs 2022 and 2023

Program Year	TSB	Net kWh	Net kW	Net Therms (MM)
2022	13,995,061	15,037,357	1,370	2,087
2023	14,772,012	16,506,420	1,371	4,377

3. Goals, Cost-Effectiveness and Budget

Forecasted Savings, Cost-Effectiveness, and Budget for PYs 2022 ad 2023

Table 5 provides an overview of MCE’s 2022 and 2023 forecasted portfolio energy savings, TSB, cost-effectiveness, and budget. The net savings, TRC, Program Administrator Cost (“PAC”), and Ratepayer Impact Measure (“RIM”) forecast values exclude market effects. MCE is forecasting a portfolio that meets the cost-effectiveness requirement for the resource acquisition segment.

³³ D.21-09-037 at p.21

Table 5: MCE Forecasted Savings, CE, and Budget for PYs 2022 and 2023

PA Name: Marin Clean Energy													
Budget Year: 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	\$2,170,608	3,215,862	5	0.03	830	274	\$2,254,547	4,688,144	8	0.03	1,299	263
	Commercial	\$6,719,884	9,204,233	1,222	0.07	2,299	416	\$6,784,863	9,256,230	1,216	0.07	2,409	410
	Industrial	\$1,289,458	1,552,963	18	0.18	405	1,070	\$1,144,443	1,456,661	16	0.15	395	875
	Agriculture	\$804,948	976,693	75	0.03	258	183	\$796,274	981,779	80	0.03	270	182
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	OB Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$10,984,898	14,949,752	1,320	0.32	3,792	1,942	\$10,980,124	16,382,814	1,320	0.28	4,372	1,730
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$13,619,451						\$14,377,414					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	1.04						1.11					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.24						1.31					
Market Support Program Segment													
	Residential	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Commercial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Industrial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Agriculture	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$682,571	-	-	-	-	-	\$695,580	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	OB Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$682,571	-	-	-	-	-	\$695,580	-	-	-	-	-
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$0.00						\$0.00					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	-						-					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	-						-					
Equity Program Segment													
	Residential	\$2,366,392	123,605	51	0.02	5	145	\$2,384,874	123,605	51	0.02	4.9	145
	Commercial	\$82,107	-	-	-	-	-	\$687,666	-	-	-	-	-
	Industrial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Agriculture	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	OB Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$2,448,499	123,605	51	0.02	5	145	\$2,072,540	123,605	51	0.02	5	145
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$375,610						\$394,528					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	0.17						0.14					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.17						0.14					
Portfolio													
	Residential	\$4,537,000	3,339,467	56	0.05	835	419	\$4,639,421	4,811,750	99	0.05	1,304	407
	Commercial	\$6,801,991	9,204,233	1,222	0.07	2,299	416	\$7,472,528	9,256,230	1,216	0.07	2,409	410
	Industrial	\$1,289,458	1,552,963	18	0.18	405	1,070	\$1,144,443	1,456,661	16	0.15	395	875
	Agriculture	\$804,948	976,693	75	0.03	258	183	\$796,274	981,779	80	0.03	270	182
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$682,571	-	-	-	-	-	\$695,580	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	OB Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$14,115,967	15,073,357	1,370	0.34	3,797	2,087	\$14,748,244	16,506,420	1,371	0.30	4,377	1,875
	CPUC Savings Goal (w/o C&S)		15,073,357	1,370	0.34	3,797	2,087		16,506,420	1,371	0.30	4,377	1,875
5	Forecast savings as % of CPUC Savings Goal (w/o C&S)	#DIV/0!	100.0%	100.0%	100.0%	100.0%	100.0%	#DIV/0!	100.0%	100.0%	100.0%	100.0%	100.0%
7	Total EM&V ¹	\$588,165						\$614,510					
	PA EM&V	\$225,039						\$233,663					
	ED EM&V	\$363,126						\$380,847					
7b	Portfolio Forecasted Total System Benefit (TSB)	\$13,995,061						\$14,772,032					
	Portfolio Forecasted Total Resource Cost - TRC (w/o C&S and w/ EM&V)	0.84						0.86					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.96						0.97					
	Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.96						0.97					
8	Codes and Standards	\$0						\$0					
9	PA Spending Budget Request ²	\$14,704,132						\$15,362,756					
10	(LES) PA Pre-2020 Uncommitted and Unspent Carryover Balance ³	\$315,181						\$0					
11	CEC AB 841 Program Funding ⁴	\$0						\$0					
12	Applicable percentage (70%) of difference between funding limitation and 2020 budget	\$0						\$0					
13	PA 2020 and Beyond Uncommitted and Unspent Carryover Balance ⁵	\$0						\$0					
14	CEC AB 841 Total Program Funding	\$0						\$0					
15	PA Revenue Requirement Request (Cost Recovery) ⁶	\$14,388,951						\$15,362,756					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to exceed 25%)	21%						29%					
16	PA Authorized Budget Cap (D.18-05-041)	\$10,998,000						\$10,998,000					
	For CCA & RENS in IOU Service Territory Only - (IOU PA Only to complete)	\$0						\$0					
21	REN Budget Recovery Request	\$0						\$0					
21a	BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
21b	SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
21c	3CREN PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
21d	RCEA PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
22	CCA Budget Recovery Request	\$0						\$0					
22a	MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
22b	Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
22c	Redwood Coast Energy Authority (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
22d	San Jose Clean Energy (excl. REN Uncommitted/Unspent Carryover)	\$0						\$0					
17	Total PA (IOU+CCA+REN) Recovery Budget ⁷	\$14,388,951						\$15,362,756					

¹ This is the MCE's requested EE Portfolio budget.
² The balance of unspent uncommitted reflects MCE's unspent uncommitted from Jan 1 2018 through Dec 31 of 2020. CCA/RENs 2020 unspent/uncommitted funds are not used for the CEC's 2021 Schools Stimulus Program. Therefore, MCE's 2020 unspent funds were included here.
³ See D.21-05-004 Tables 2 (2021) 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. CCA/RENs 2020 unspent/uncommitted funds are not used for the CEC's 2021 Schools Stimulus Program. Therefore, MCE's 2020 unspent funds were included in row 7b. MCE is forecasting \$0 in unspent.
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, RENs and CCAs in their service territory, Line 15 + Line 21 + Line 22
⁷ For IOU, EM&V costs only includes IOU's Total EM&V budget (PA + ED) and does not include REN or CCA's EM&V budget. For RENs & CCAs, include EM&V-PA Budget and EM&V-ED = \$0.

Claimed and Evaluated Savings and Cost-Effectiveness for the EE Portfolio to Date

Per D.18-05-041, EE PAs must also report on claimed and evaluated savings, as well as CE to date.³⁴ MCE reports on these values in Attachment D: the Budget Filing Detail Report, which is also downloadable from the CPUC’s CEDARS website.³⁵

GHG Emissions

Pursuant to D.18-05-041, PAs also need to report on greenhouse gas (“GHG”) savings forecasts and actuals since the beginning of the rolling portfolio.³⁶

Table 6: GHG Savings forecasts and actuals beginning with 2016

Program Year	GHG Forecast and Goal (Tons CO₂)	Actual GHG Savings (Tons CO₂)
2016	n/a	300
2017	919	750
2018	507	516
2019	3,051	1,417
2020	7,794	1,566

Budget Request

MCE is requesting a budget of \$14,704,132 for PY 22 and \$15,362,756 for PY 2023. Considering unspent funds from previous years, MCE proposes a 2022 and 2023 EE portfolio recovery budget of \$14,388,951 and \$15,362,756, respectively.

MCE’s forecasted portfolio budgets exceed the annual budgets authorized in D.18-05-041. However, D.18-05-041 allows PAs to request unrequested funds as long as the total requested funding stays below the cumulative budget cap for the business plan period.³⁷ As shown in Table 7 below, including 2022 and 2023 forecasted portfolio budgets, MCE will have \$15.5 Million in unrequested funds remaining for the current business plan period. The remaining amount in unrequested funds was adjusted for the fact that the new upcoming application will be in effect for 2024 and beyond.³⁸

³⁴ D.18-05-041 at p. 124.

³⁵ Download the Budget Filing Detail Report at: <https://cedars.sound-data.com/filings/list/>

³⁶ D.18-05-041 at p.127

³⁷ D.18-05-041 at p. 132.

³⁸ See Attachment C: MCE Budget and Savings True Up Tables

Table 7: MCE Budget and Savings True-Up

Sector	Annual Rolling Portfolio Budget Forecast - True-up								
	2018**	2019	2020	2021	2022	2023	2024	2025	Total
Residential	\$ 558,107	\$ 1,317,213	\$ 1,094,802	\$ 2,733,236	\$ 4,537,000	\$ 4,639,421	\$ -	\$ -	\$14,879,779
Commercial	\$ 617,207	\$ 643,277	\$ 1,015,506	\$ 7,010,541	\$ 6,801,991	\$ 7,472,528	\$ -	\$ -	\$23,561,051
Industrial	\$ 137,360	\$ 113,244	\$ 592,732	\$ 871,077	\$ 1,289,458	\$ 1,144,443	\$ -	\$ -	\$ 4,148,314
Agriculture	\$ -	\$ 93,618	\$ 233,243	\$ 468,195	\$ 804,948	\$ 796,274	\$ -	\$ -	\$ 2,396,278
Emerging Tech	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Codes and Standards	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WE&T	\$ -	\$ -	\$ 118,326	\$ 361,481	\$ 682,571	\$ 695,580	\$ -	\$ -	\$ 1,857,958
Finance	\$ 18,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,524
OBF Loan Pool	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 1,331,198	\$ 2,167,352	\$ 3,054,610	\$11,444,530	\$14,115,967	\$14,748,246	\$ -	\$ -	\$46,861,902
EM&V	\$ 16,590	\$ 95,351	\$ 25,622	\$ 119,113	\$ 588,165	\$ 614,510	\$ -	\$ -	\$ 1,459,351
Total Portfolio Program Year PA Budget	\$ 1,347,788	\$ 2,262,703	\$ 3,080,232	\$11,563,643	\$14,704,132	\$15,362,756	\$ -	\$ -	\$48,321,253
Total PY Unrequested Funds	\$ 7,184,212	\$ 6,269,298	\$ 9,323,768	\$ 840,357	\$ (3,706,132)	\$ (4,364,756)	\$10,998,000	\$10,870,000	\$37,414,747
Total Cumulative Unrequested Funds	\$ 7,184,212	\$13,453,510	\$22,777,278	\$23,617,635	\$19,911,503	\$15,546,747	\$26,544,747	\$37,414,747	\$37,414,747
Total Authorized Portfolio PY Budget Cap	\$ 8,532,000	\$ 8,532,000	\$12,404,000	\$12,404,000	\$10,998,000	\$10,998,000	\$10,998,000	\$10,870,000	\$85,736,000

*2018 - 2020 are actual expenditures. 2021 - 2023 are forecasted expenditures.

** "Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025.

MCE request Pacific Gas and Electric Company (“PG&E”) provide the 2022 and 2023 budget request amounts, split into electric and gas budgets, to MCE via quarterly transfers as calculated below.

Additionally, MCE requests PG&E transfer a one-time payment of the 2022 and 2023 EM&V budgets as specified below by January 15 of each program year. MCE’s EM&V budget requests are consistent with the 4 percent EM&V budget cap for the total portfolio budget adopted in D.09-09-047.³⁹ MCE is requesting an increase of its portion of the EM&V budget to 40 percent per D.16-08-019.⁴⁰ MCE’s 2022 and 2023 EM&V forecast includes estimated costs for a portfolio-level process evaluation and a Commercial EE Market process evaluation. The process evaluations will help MCE improve program coordination, provide more effective delivery of services within the sectors served by MCE, and provide market insight that could be used to refine or develop new program areas.

In summary, MCE requests PG&E transfer the following funds to MCE for PYs 2022 and 2023.

Table 8: 2022 Fund Transfers from PG&E to MCE

Fuel Type	Quarterly Transfer	
Total Electric Budget	\$9,831,573	\$2,457,893
Total Gas Budget	\$3,969,213	\$992,303
Subtotal	\$13,800,787	\$3,450,197
EM&V	\$588,165	One-Time Transfer
Total	\$14,388,951	

³⁹ D.09-09-047, *Decision Approving 2010 to 2012 Energy Efficiency Portfolios and Budgets*, OP 50 at p. 390.

⁴⁰ D.16-08-019, *Decision Providing Guidance for Initial Energy Efficiency Rolling Portfolio Business Plan Filings*, OP 16 at p. 112.

Table 9: 2023 Fund Transfers from PG&E to MCE

Fuel Type		Quarterly Transfer
Total Electric Budget	\$10,590,395	\$2,647,599
Total Gas Budget	\$4,157,851	\$1,039,463
Subtotal	\$14,748,246	\$3,687,061
EM&V	\$614,510	One-Time Transfer
Total	\$15,362,756	

Historical Budget Information

Information regarding historic program, sector, and portfolio budgets as well as authorized budgets, actual expenditures, and annual budget caps in the business plan period can be found in both Attachment C: Budget and Savings True Up Tables and Attachment D: the Budget Filing Detail Report.

4. Cost-Effectiveness Details

Cost Effectiveness Challenges

The introduction of portfolio segmentation and limiting the cost-effectiveness requirement to the resource acquisition segment have helped overall portfolio cost-effectiveness. However, the following cost-effectiveness issues remain:

- As the Covid-19 pandemic continues, implementing energy efficiency programs continues to be a challenge. There are still major delays and setbacks in project completion timelines due to supply chain delays, competing priorities, worsened funding constraints, and COVID-safe protocols for all stages of program implementation. Additionally, there has been an increase in tenant turnover in rented spaces, which prevented access to certain efficiency programs due to the lack of 12-months of energy usage history for new tenants.
- The Cost-Effectiveness Tool (“CET”) does not allow for custom load shapes resulting in inaccurate avoided cost benefits for meter-based programs that target reduction in peak demand. To bring the avoided cost benefits into alignment with the true value of load reduction during peak hours, PAs need to be able to claim savings in the hours they occur using custom load shapes in the CET rather than predetermined load shapes based on the average performance of deemed measures.
- While the equity and market support segments allow program administrators to focus on other important policy objectives, the 30 percent cap for those segments may not be enough for smaller PAs to provide comprehensive equity programs and the Commission should consider expanding the cap.

Portfolio Strategies to Improve Cost-Effectiveness

MCE describes below some of the cost-effectiveness strategies that will improve MCE’s portfolio energy savings, TSB and cost-effectiveness.

- For the Single Family HER program, MCE opted to sunset all paper home energy reports to counter any costs associated with superfluous mailings that did not translate to energy savings. This effort is expected to save program expenses and effectively raise cost-effectiveness;
- MCE’s new multi-family SEM program will achieve short-term behavioral energy savings at a cost that will be balanced by the cost-savings associated with it. By educating property owners and managers, the program will also lend itself to long-term energy savings when participants change out equipment with more efficient models and adopt other strategies for long-term energy savings;
- With SEM currently delivering the most cost-effective savings in the non-residential portfolio, MCE plans to offer SEM Cycle 2 (years 3 and 4) to continue customer engagement and achieve deeper savings with current participants completing year 2;
- Continue to target high value, peak period savings, and pay for the hourly value of savings net of project cost and administrative costs to drive a cost-effective portfolio via the Commercial NMEC program. Wherever possible, stack the value of demand response and load shifting into existing energy efficiency program designs to consolidate administrative costs;
- Expand the impact of the Commercial NMEC program by increasing the overall size of the market (e.g., through available budget), enrolling additional aggregators, and growing aggregator portfolios for increased market penetration and high-value savings;
- Incorporate the GHG benefits of refrigerant change projects within existing energy efficiency programs. The Commercial NMEC program presents an excellent opportunity to ensure that this is accomplished cost-effectively, by settling with participating aggregators on the delivered benefits net of project and administrative costs;
- Re-evaluated incentive rates by measure code, customer classification and technology;
- Continue to track and monitor COVID-19 impacts;
- Test alternative marketing strategies to increase customer participation such as case studies and customer testimonials. Increase MCE brand awareness;
- Strengthen engagement with City, County and local community-based organizations (“CBOs”) to increase program awareness.

5. Portfolio and Program Changes

New Programs

MCE is introducing two new programs into its 2022 and 2023 portfolio. The multi-family SEM program is expected to launch in 2022 and the Commercial Equity program is expected to launch in 2023. However, The Commercial Equity program will incur expenditures to be reported in 2022 as a result of program development.

The multi-family SEM program will drive measurable savings by engaging with property owners and managers to implement energy efficiency projects and create an energy strategy with a focus on low to no-cost BRO measures. The Commercial Equity program will focus on increasing participation for small businesses located within hard-to-reach, underserved and disadvantaged communities. The new programs are listed in Table 10 below.

Table 10: New Programs in PY 2022 and 2023

Program ID	Program Name	Effective Year	Program
MCE01c	Multifamily Strategic Energy Management (SEM)	2022	
MCE17	Commercial Equity	2023	

Changes to Existing Programs

This section describes some of the program-level changes that MCE plans to implement in 2022 and 2023.

Multi-family Energy Savings (MCE01): MFES will expand the program’s marketing activities to target communities that fall within the DAC categorization (as identified by CalEnviroScreen) and other historically underserved communities to increase participation of naturally occurring affordable housing (“NOAHs”).

The MFES program will also pair energy efficiency measures with electrification measures to support the transition away from fossil fuels, create a healthier indoor environment for its communities, and reduce equipment and overall utility costs where feasible.

Single-Family Home Energy Report (HER) (MCE07): The program will add a SmartShop online portal to lead participants to local money- and energy-saving opportunities. By connecting participants to local vendors (contractors and retailers), they can more efficiently shop for energy-saving measures and products. Also, the Single-Family HER program will no longer offer paper Home Energy Reports to make the program as cost-effective as possible. Paper HERs are not cost effective due to the extensive use of paper and mailing resources, which are not necessary with a digital-only campaign.

Home Energy Savings (HES) (MCE08): The Home Energy Savings program has expanded its implementation model to offer in-person assessments and contractor installation of all measures, including the energy-saving kit measures that were previously being mailed and self-installed by the customer, due to COVID-19. Offering a more traditional model that allows our trade ally to enroll customers, conduct a home assessment, and install all measures improves the overall efficiency and effectiveness of the program and provides greater customer service.

Existing Program IDs Split into Multiple Program IDs: MCE is splitting up three of its 2021 existing program IDs into multiple unique program IDs for existing sub-programs as shown in table 11 below. For example, in the case of the Commercial Upgrade Program, MCE has already been running deemed, custom, SEM, and NMEC sub-programs in 2021. To increase accuracy of program reporting and improve program performance transparency, MCE is now splitting these sub-programs out in unique program IDs in 2022, i.e., Commercial Deemed (MCE02a), Commercial Custom (MCE02b), Commercial SEM (MCE02c) and Commercial NMEC (MCE02d).

These program ID changes will be reflected in the California Energy Data and Reporting System (“CEDARS”).

Table 11: 2021 Program IDs Split into Multiple 2022 and 2023 Program IDs

2022 and 2023 Program ID	2022 and 2023 Program Name	Corresponding 2021 Program ID	Corresponding 2021 Program Name
MCE02a	Commercial Deemed	Commercial Upgrade	MCE02
MCE02b	Commercial Custom		
MCE02c	Commercial SEM		
MCE02d	Commercial NMEC		
MCE10a	Industrial Deemed	Industrial	MCE10
MCE10b	Industrial Custom		
MCE10c	Industrial SEM		
MCE10d	Industrial NMEC		
MCE11a	Agricultural Deemed	Agricultural	MCE11
MCE11b	Agricultural Custom		
MCE11c	Agricultural SEM		
MCE11d	Agricultural NMEC		

6. Metrics

Pursuant to D.18-05-041, MCE reported on sector-level metrics and their associated targets for all program years up to 2020 in its EE Annual Report submissions.⁴¹ They can be downloaded in spreadsheet form on the CPUC’s data reporting website, CEDARS.⁴² 2022 and 2023 metrics targets are provided in Attachment A: Budget Filing Appendix.

Notice

A copy of this AL is being served on the official Commission service lists for Application 17-01-013, *et al.* and Rulemaking 13-11-005.

For changes to these service lists, please contact the Commission’s Process Office at (415) 703-2021 or by electronic mail at Process_Office@cpuc.ca.gov.

Protests

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be mailed to:

⁴¹ See OP 9 of D.18-05-041.

⁴² See MCE’s 2020 Annual Report Narrative and Excel (including Metrics) at: <https://cedars.sound-data.com/documents/standalone/list/>.

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address as above).

In addition, protests and all other correspondence regarding this AL should also be sent by letter and transmitted electronically to the attention of:

Jana Kopyciok-Lande
Strategic Policy Manager
MARIN CLEAN ENERGY
1125 Tamalpais Ave.
San Rafael, CA 94901
Phone: (415) 464-6044
Facsimile: (415) 459-8095
jkopyciok-lande@mceCleanEnergy.org

Alice Havenar-Daughton
Director of Customer Programs
MARIN CLEAN ENERGY
1125 Tamalpais Ave.
San Rafael, CA 94901
Phone: (415) 464-6030
Facsimile: (415) 459-8095
ahavenar-daughton@mceCleanEnergy.org

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

Correspondence

For questions, please contact Jana Kopyciok-Lande at (415) 464-6044 or by electronic mail at jkopyciok-lande@mceCleanEnergy.org.

Conclusion

MCE respectfully requests approval of its 2022-2023 energy efficiency portfolio budgets.

/s/ Jana Kopyciok-Lande

Jana Kopyciok-Lande
Strategic Policy Manager
MARIN CLEAN ENERGY

ATTACHMENTS

- (1) Attachment A: MCE Budget Filing Appendix
- (2) Attachment B: MCE Supplemental Budget Showing
- (3) Attachment C: MCE Budget and Savings True-up Tables
- (4) Attachment D: MCE Budget Filing Detail Report
- (5) Attachment E: MCE CEDARS Filing Submission Receipt

cc: Service Lists: R.13-11-005; A17-01-013, *et al.*

ATTACHMENT A

MCE Budget Filing Appendix

General Instructions for Completing the Tables:

Marin Clean Energy	<<<< Input your PA name here. This will appear on every report Cell B2.
2022-2023	Reference Years for all tabs

All currency will be reported to the dollar, i.e., \$0.
 Follow the legend to guide the input of various data requirements.
 Other than **Tabs 4 and 5**, do not add rows. When adding rows, ensure all formulas are copied.
 Tab 4 Program Budget is the primary data entry tab. Most other tabs are calculations using the data from Tab 4 as the source of data.
 All tables totals should be recalculated to ensure footing/cross footing accuracy.
 Be mindful of print area to ensure footnotes are included when added.

Legend - What do the colors mean
Solid Gray, black font - FORMULA
Solid Blue, blue font - DATA INPUT CELL
Solid Gold, black font - HEADER/INFORMATION NO-INPUT CELL

Specific Tab Instructions:

ReadMe	Populate Cell A2 with PA name, this will populate PA Name on each tab
Tab 0	Tab is protected, but no password required to unprotect
Tab 1	Current Year calculations are based on 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
Tab 2	This Table applies only to the IOU PAs. Each IOU may customize the "Customer Classes"
Tab 3	Populate only the blue highlighted cells. For example, forecasted electric and gas portfolio allocation percentage.
Tab 4	This is the primary input sheet for most of the data that feeds the other tables. Please add rows between rows 7 and 129. Copy an existing row for adding new rows to ensure all formulas carry over. Check to make sure that the formulas in the subtotal include the added rows. "PA portion" of Statewide programs must be marked as "Core PA" rather than "Statewide". This is 4% of PA PY Spending Budget Request. EM&V - PA section This can range from 27.5% up to 40% of the EM&V 4% budget. Pulls from Table 4, EM&V - ED section CEC AB 841 section only applies to the IOU PAs. Consider whether OBF Loan pool is included as part of the PA portfolio or not. Tab 9 may need to be adjusted if it is not.
Tab 4.1	This is the updated version of the required Program Changes table introduced in the 2021 ABAL. Each PA may add as many lines to each section without impacting any other workbook tabs.
Tab 7	Read Cell I for data specific instructions/descriptions. OBF Loan Pool calculation in Column C-H includes OBF Loan Pool as part of the PA Portfolio. Formulas need to be adjusted to exclude this amount if not appropriate to be part of the PA Portfolio "For CCA & RENS in IOU Service Territory Only" section is the CCA/REN Revenue Request. Unspent/Uncommitted funds for the CCA/REN is disclosed on the CCA's/REN's BBAL template.
Tab 8	Cells E13 (2022) and K13 (2023). Admin expenditures for non-PA, non-qualifying Third Party & Partnerships (non-Target Exempt Programs) must be manually populated as the forecast admin expenditures from the "Core PA" program type (Tab 4, Col F). The PA admin formula in Cell E12 will adjust for this manual entry. Non IOU PAs need to complete Table 8 C&T for informational purposes Add footnotes to the files as specific for your PA and update any blue references in the existing footnotes.
Tabs 9 through 16	These tables are required by D.18-05-041 OP 44.

WORKBOOK DROPDOWN MENU CONTROL			
Target Program	Program Type	New Business Sector	Portfolio Segment
Yes	Core PA	Residential	Resource Acquisition
No	Local Third Party	Commercial	Market Support
	SW Third Party	Industrial	Equity
		Agriculture	Codes & Standards
		Emerging Tech	
		Public	
		WEAT	
		Finance	
		OBF Loan Pool	
		Codes & Standards	

Place program in Table based on status category the program falls in. Determine which status category using program status come Jan 1, 2021 (if the 2021 ABAL filing is approved as is).

If a program is "zeroed out", i.e. has \$0 planned in PY 2021, but isn't listed in one of the first two "Programs to be closed" status categories, the PAs must list it in the Programs with reduced budgets category, and explain how/why the program is not marked for closure.

Status

Programs to be closed with the disposition of 2021 ABAL

These programs likely have \$0 budget planned in 2020, any any exceptions should be explained.

Programs to be closed upon completion of commitments

Separate from program level table, define/describe where the PA drew a line on which commitments to honor/complete

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

Programs that are new in 2021

These programs have \$0 2020 budgets

Programs with enhanced budgets (>40% budget increase)

Pa Name:

Marin Clean Energy

 Budget Year:

2022-2023

Spending Budget Comparison

	2022	2023
Tab 3 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 14,704,132	\$ 15,362,756
Tab 4 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 14,704,132	\$ 15,362,756
Tab 7 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 14,704,132	\$ 15,362,756
Tab 8 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 14,704,132	\$ 15,362,756
Tab 9 - PA Spending Budget Request (PA Program and EM&V + CEC AB 841)	\$ 14,704,132	\$ 15,362,756

Difference - -

Revenue Requirement or Cost Recovery Comparison

	2022	2023
Tab 4 - PA Revenue Requirement Request	\$ 14,704,132	\$ 15,362,756
Tab 7 - PA Revenue Requirement Request (Cost Recovery)	\$ 14,388,951	\$ 15,362,756

Difference 315,180.70 -

Program Budget by Cost Category

	2022				2023			
	Admin	Mktg	DINI	DI Incentive	Admin	Mktg	DINI	DI Incentive
Tab 4 - Program Budgets	\$ 990,052	\$ -	\$ 6,362,628	\$ 6,763,287	#####	\$ -	#####	\$ 6,649,751
Tab 8 - Caps & Targets	\$ 990,052	\$ -	\$ 6,362,628	\$ 6,763,287	#####	\$ -	#####	\$ 6,649,751
Tab 9 - Incentives Column, EE Total				\$ 6,763,287				\$ 6,649,751

Difference - - - - -

Difference - -

Unspent/Uncommitted compared to CEC 2020 and beyond

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

Difference - -

Portfolio Budget Total vs Budget by Function Summary Total

	2022										
	Residential	Commercial	Industrial	Agriculture	Public	Emerging Tech	Codes & Standards	WE&T	Finance	Cross Cutting	OBF Loan Pool
Tab 7 - PA Portfolio Budget by Function	\$ 4,536,999.65	\$ 6,801,990.96	\$ 1,289,457.66	\$ 804,948.41	\$ -	\$ -	\$ 0	\$ 682,570.60	\$ -	\$ 682,570.60	\$ -
Tab 9 - PA Portfolio Budget by Function	\$ 4,536,999.65	\$ 6,801,990.96	\$ 1,289,457.66	\$ 804,948.41	\$ -					\$ 682,570.60	\$ -

Difference - - - - -

Tab 7 - PA Portfolio Budget by Function

	2023										
	Residential	Commercial	Industrial	Agriculture	Public	Emerging Tech	Codes & Standards	WE&T	Finance	Cross Cutting	OBF Loan Pool
Tab 7 - PA Portfolio Budget by Function	\$ 4,639,420.62	\$ 7,472,528.27	\$ 1,144,442.97	\$ 796,273.62	\$ -	\$ -	\$ -	\$ 695,580.07	\$ -	\$ 695,580.07	\$ -
Tab 9 - PA Portfolio Budget by Function	\$ 4,639,420.62	\$ 7,472,528.27	\$ 1,144,442.97	\$ 796,273.62	\$ -					\$ 695,580.07	\$ -

Difference - - - - -

Pa Name:
 Budget Year:
 (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: Marin Clean Energy
 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)	\$ 14,704,132	\$ 15,362,756
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)	\$ 14,704,132	\$ 15,362,756

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	\$ 10,475,110	71%	\$ 11,031,661	72%
Gas PPP Surcharge Funds	\$ 4,229,023	29%	\$ 4,331,095	28%
Total Funds	\$ 14,704,132		\$ 15,362,756	

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

Authorized Funding in Rates (including Unspent/Uncommitted Funds)	2022 Revenue Requirement	%Allocation after Carryover adjustment	2023 Revenue Requirement	%Allocation after Carryover adjustment
Electric Procurement EE Funds	\$ 10,250,577	71%	\$ 11,031,661	72%
Gas PPP Surcharge Funds	\$ 4,138,374	29%	\$ 4,331,095	28%
Total Funds	\$ 14,388,951		\$ 15,362,756	

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

Program Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 224,532	\$ 90,648	\$ 315,181	\$ -	\$ -	\$ -
2020 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 224,532	\$ 90,648	\$ 315,181	\$ -	\$ -	\$ -

EM&V Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2020 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Total Unspent/Uncommitted Funds	2022			2023		
	Electric	Gas	Total	Electric	Gas	Total
Pre-2020	\$ 224,532	\$ 90,648	\$ 315,181	\$ -	\$ -	\$ -
2020 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022 ²	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 224,532	\$ 90,648	\$ 315,181	\$ -	\$ -	\$ -

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 Revenue Recovery 2022-2023 Portfolio - Demand Response & Energy Efficiency ^{1,2}

Demand Response	2022				2023			
	Electric Demand Response Funds	Energy Efficiency			Electric Demand Response Funds	Energy Efficiency		
		Electric Energy Efficiency Funds	Natural Gas Public Purpose Funds	Total Energy Efficiency Funds		Electric Energy Efficiency Funds	Natural Gas Public Purpose Funds	Total Energy Efficiency Funds
Program Funds - PA ⁴	\$ -	\$ 9,831,573	\$ 3,969,213	\$ 13,800,787	\$ -	\$ 10,590,395	\$ 4,157,851	\$ 14,748,246
Program Funds - CEC ⁵	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Program Funds - REN ⁵	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Program Funds - CCA ⁵	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EM&V ³	\$ -	\$ 419,004	\$ 169,161	\$ 588,165	\$ -	\$ 441,267	\$ 173,244	\$ 614,510
Budget Total	\$ -	\$ 10,250,577	\$ 4,138,374	\$ 14,388,951	\$ -	\$ 11,031,661	\$ 4,331,095	\$ 15,362,756

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 MCE is the PA. Therefore, the CCA row is empty.

³ This represent total PA + EM&V minus any relevant unspent/uncommitted funds that offset the recovery request.

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:	Marin Clean Energy
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 Funds	Natural Gas Public Purpose Funds	Total
Category			
2017 to date EM&V Funds			\$0
2017 to date Program Funds - Utility			\$0
2017 to date Program Funds - REN			\$0
2017 to date Program Funds - CCA			\$0
2018 to date EM&V Funds			\$0
2018 to date Program Funds - Utility			\$0
2018 to date Program Funds - REN			\$0
2018 to date Program Funds - CCA			\$0
2019 to date EM&V Funds			\$0
2019 to date Program Funds - Utility			\$0
2019 to date Program Funds - REN			\$0
2019 to date Program Funds - CCA			\$0
2020 to date EM&V Funds			\$0
2020 to date Program Funds - Utility			\$0
2020 to date Program Funds - REN			\$0
2020 to date Program Funds - CCA (1)	\$511,341	\$251,855	\$763,196
2021 to date EM&V Funds			\$0
2021 to date Program Funds - Utility			\$0
2021 to date Program Funds - REN			\$0
2021 to date Program Funds - CCA (1)	\$7,295,466	\$2,179,165	\$9,474,631

(1) MCE's committed funds are associated with projects and implementation contracts.

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	\$2,170,608	3,215,862	5	0.03	830	274	\$2,254,547	4,688,144	8	0.03	1,299	263
	Commercial	\$6,719,864	9,204,233	1,222	0.07	2,299	416	\$6,784,863	9,256,230	1,216	0.07	2,409	410
	Industrial	\$1,289,458	1,552,963	18	0.18	405	1,070	\$1,144,443	1,456,661	16	0.15	395	875
	Agriculture	\$804,948	976,693	75	0.03	258	183	\$796,274	981,779	80	0.03	270	182
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	DBF Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$10,989,899	14,949,752	1,320	0.32	3,792	1,942	\$10,989,126	16,382,814	1,320	0.28	4,372	1,730
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$13,610,423						\$14,377,416					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	1.04						1.11					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	1.24						1.31					
Market Support Program Segment													
	Residential	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Commercial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Industrial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Agriculture	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$682,571	-	-	-	-	-	\$699,580	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	DBF Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$682,571	-	-	-	-	-	\$699,580	-	-	-	-	-
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$0.00						\$0.00					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	-						-					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	-						-					
Equity Program Segment													
	Residential	\$2,366,392	123,605	51	0.02	5	145	\$2,384,874	123,605	51	0.02	4.9	145
	Commercial	\$82,107	-	-	-	-	-	\$87,666	-	-	-	-	-
	Industrial	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Agriculture	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	DBF Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$2,448,499	123,605	51	0.02	5	145	\$2,472,540	123,605	51	0.02	5	145
	Resource Acquisition Forecasted Total System Benefit (TSB)	\$375,610						\$394,598					
	Resource Acquisition Forecasted Total Resource Cost (TRC)	0.17						0.14					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.17						0.14					
Portfolio													
	Residential	\$4,537,000	3,339,467	56	0.05	835	419	\$4,639,421	4,811,790	59	0.05	1,304	407
	Commercial	\$6,803,991	9,204,233	1,222	0.07	2,299	416	\$7,472,538	9,256,230	1,216	0.07	2,409	410
	Industrial	\$1,289,458	1,552,963	18	0.18	405	1,070	\$1,144,443	1,456,661	16	0.15	395	875
	Agriculture	\$804,948	976,693	75	0.03	258	183	\$796,274	981,779	80	0.03	270	182
	Emerging Tech	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	Public	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	WE&T	\$682,571	-	-	-	-	-	\$699,580	-	-	-	-	-
	Finance	\$0	-	-	-	-	-	\$0	-	-	-	-	-
	DBF Loan Pool	\$0	-	-	-	-	-	\$0	-	-	-	-	-
4	PA Subtotal (does not include ESA budget and savings)	\$14,115,967	15,073,357	1,370	0.34	3,797	2,087	\$14,748,246	16,506,420	1,371	0.30	4,377	1,875
	CPUC Savings Goal (w/o C&S)	\$15,073,357	1,370	0.34	3,797	2,087		\$16,506,420	1,371	0.30	4,377	1,875	
	Forecast savings as % of CPUC Savings Goal (w/o C&S)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
6	Total EMBV ¹	\$588,165						\$614,510					
7	PA EMBV	\$225,039						\$233,653					
7b	ED EMBV	\$363,126						\$380,857					
	Portfolio Forecasted Total System Benefit (TSB)	\$13,995,061						\$14,772,012					
	Portfolio Forecasted Total Resource Cost -TRC (w/o C&S and w/ EMBV)	0.84						0.86					
	Portfolio Forecasted Portfolio Administrator Cost (PAC)	0.96						0.97					
	Portfolio Forecasted Ratepayer Impact Measure (RIM)	0.96						0.97					
8	Codes and Standards	\$0						\$0					
9	PA Spending Budget Request ²	\$14,704,132						\$15,362,756					
10	(LESS) PA Pre-2020 Uncommitted and Unspent Carryover Balance ³	\$315,181						\$0					
11	CEC AB 841 Program Funding ⁴	\$0						\$0					
12	Applicable percentage (70%) of difference between funding limitation and 2020 budget	\$0						\$0					
13	PA 2020 and Beyond Uncommitted and Unspent Carryover Balance ⁵	\$0						\$0					
14	CEC AB 841 Total Program Funding	\$0						\$0					
15	PA Revenue Requirement Request (Cost Recovery) ⁶	\$14,388,951						\$15,362,756					
	% of Equity and Market Support Program Budgets to PA Spending Budget Request (not to PA Authorized Budget Cap (D.18-05-041))	21%						25%					
16	PA Authorized Budget Cap (D.18-05-041)	\$10,998,000						\$10,998,000					
	For CCA & RENS in IOU Service Territory Only (IOU PA Only to complete)												
21	REN Budget Recovery Request	\$0						\$0					
21a	BayREN PY Budget Recovery Request (excl. REN Uncommitted/Unsp)	\$0						\$0					
21b	SoCal REN PY Budget Recovery Request (excl. REN Uncommitted/Unsp)	\$0						\$0					
21c	SCREN PY Budget Recovery Request (excl. REN Uncommitted/Unsp)	\$0						\$0					
21d	RCA PY Budget Recovery Request (excl. REN Uncommitted/Unsp)	\$0						\$0					
22	CCA Budget Recovery Request	\$0						\$0					
22a	MCE PY Budget Recovery Request (excl. REN Uncommitted/Unspen)	\$0						\$0					
22b	Lancaster PY Budget Recovery Request (excl. REN Uncommitted/Unspen)	\$0						\$0					
22c	Redwood Coast Energy Authority (excl. REN Uncommitted/Unspen)	\$0						\$0					
22d	San Jose Clean Energy (excl. REN Uncommitted/Unspen Carryover)	\$0						\$0					
17	Total PA (IOU-CCAs+RENS) Recovery Budget⁷	\$14,388,951						\$15,362,756					

¹This is the MCE's requested EE Portfolio budget.
²The balance of unspent uncommitted reflects MCE's unspent uncommitted from Jan 1 2020 through Dec 31 of 2020. CCA/RENS 2020 unspent/uncommitted funds are not used for the CEC's 2021 Schools Stimulus Program. Therefore, MCE's 2020 unspent funds were included here.
³See D.21-01-004 Tables 2 (2022) and 3 (2023)
⁴Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. CCA/RENS 2020 unspent/uncommitted funds are not used for the CEC's 2021 Schools Stimulus Program. Therefore, MCE's 2020 unspent funds were included in row 70. MCE is forecasting \$0 in unspent/uncommitted 2021 and 2022 program funds.
⁵The amount of funds to be collected (cost recovery) for the PA EE Program Year = Line 9 - Line 10 + Line 12
⁶Total amount to be requested in IOU's PPP advice letter for their programs, RENS and CCAs in their service territory, Line 15 + Line 21 + Line 22
⁷For IOU, EMBV costs only include IOU's Total EMBV budget (PA + ED) and does not include REN or CCA's EMBV budget. For RENS & CCA, include EMBV-PA Budget and EMBV-ED = \$0.

2022 Energy Efficiency Cap And Target Expenditure Projections										2023 Energy Efficiency Cap And Target Expenditure Projections					
Line	Budget Category	Expenditures			Cap & Target Performance			Expenditures			Cap & Target Performance				
		Non-Third Party Qualifying Costs (including PA costs and old definition 3P/CP contracts that don't meet the new definition)	Third Party Qualifying Costs ² (Local SW, CEC & AB 841)	Total Portfolio	Percent of Budget ⁴	Cap %	Target %	Non-Third Party Qualifying Costs (including PA costs and old definition 3P/CP 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	\$ 848,645		\$ 848,645	5.8%	10.0%	\$ 879,046		\$ 879,046	6.0%	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	\$ 141,407	\$ -	\$ 141,407			\$ 154,417	\$ -	\$ 154,417						
5	Marketing and Outreach Costs ⁴														
6	Marketing & Outreach	\$ -	\$ -	\$ -	0.0%	6.0%	\$ -	\$ -	\$ -	0.0%	6.0%				
7	Statewide Marketing & Outreach ⁵	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -						
8	Direct Implementation Costs														
9	Direct Implementation (Incentives and Rebates)	\$ 6,763,287	\$ -	\$ 6,763,287			\$ 6,649,751	\$ -	\$ 6,649,751						
10	Direct Implementation (Non Incentives and Non Rebates)	\$ 5,821,465	\$ -	\$ 5,821,465	39.6%	20.0%	\$ 6,523,868	\$ -	\$ 6,523,868	44.4%	20.0%				
11	Direct Implementation Target Exempt Programs (Non Incentives and Non Rebates) ³	\$ 541,163	\$ -	\$ 541,163			\$ 541,163	\$ -	\$ 541,163						
12	EM&V Costs (PA and Energy Division) ^{6,7}	\$ 588,165		\$ 588,165	4.0%	4.0%	\$ 614,510		\$ 614,510	4.0%	4.0%				
12a	EM&V - PA	\$ 225,039		\$ 225,039			\$ 233,653		\$ 233,653						
12b	EM&V - ED	\$ 363,126		\$ 363,126			\$ 380,857		\$ 380,857						
13	Total Portfolio Budget (includes PA Program and EM&V Budget + SW ME&O) ⁸	\$ 14,704,132	\$ -	\$ 14,704,132			\$ 15,362,756	\$ -	\$ 15,362,756						
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			\$ 14,704,132					\$ 15,362,756						
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%		\$ -		0.0%	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 [4098-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 IOUs 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 \$14,704,132, 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 13 minus, minus SWME&O in line 7.
- IOUs 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:
Budget Year:
FUNCTION DEFINITIONS

Marin Clean Energy
2022-2023

Aggregated Category	Definition	Functional Category	Detailed Definition
Policy, Strategy, and Regulatory Reporting Compliance	Includes policy, strategy, compliance, audits and regulatory support	Planning & Compliance	DSM Goal Planning; lead legislative review/positioning; policy support on reg proceedings; portfolio optimization; end use-market strategy; DSM lead for PRP, DRP, ES; locational targeting; audit support; SOX certifications; developing control plans; developing action plans; continuous monitoring; inspections; program/product QA/QC; decision compliance oversight/tracking; data requests; policies & procedures
		Company Regulatory Support	Case management for EE proceedings
Program management	Includes labor, contracts, admin costs for program design, program implementation, product and channel management for all sectors	Program Management & Delivery	Market Segment & Locational Resource programs; Business Core & Finance Programs; Large Power DR Programs; Non-Res HVAC & Technical Services; Program Integration & Optimization; Residential EE & DR Programs (incl. Res HVAC QI); IQP & Economic Assistance Programs; Mass Market DR Programs; Education & Information Products & Services; Energy Leader Partnerships; Institutional & Federal Partnerships; REN Coordination; Strategic Plan Support; Energy/Water Program Mgt; Service Level Agreement Tracking
		Product Management	Manage end-to-end new products and services (P&S) intake, evaluation, and launch process; develop and facilitate P&S governance teams, coordination of all sub-process owners, stakeholders, and technical resources required to evaluate and launch new products; evaluate and launch new services and OOR opportunities; develop external partnerships & strategic alliances; work with various companies and associations to help advance standards, products, and tech.; work with external experts to help reduce SCE costs to deliver new prog. and products; develop and launch new customer technologies, products, services for residential and business customers; conduct customer pilots of new technologies and programs; lead customer field demonstrations of new technologies and products; align new P&S to savings programs/incentives; develop new programs/incentives in support of savings goals
		Channel Management	
		Contract Management	Budget forecasting, spend tracking, invoice processing, and contract management with vendors and suppliers; Regulatory support for ME&O activities
Engineering Services	Includes engineering, project management, and contracts associated with workpaper development and pre/post sales project technical reviews and design assistance	Custom project support	Management of Emerging Products projects; Customized reviews; LCR/RFO support; Ex-ante review management; Technical policy support; Technical assessments; Workpapers; Tool development; End use subject matter expertise
		Deemed workpapers	
		Project management	
Customer Application/Rebate and Incentive Processing	Costs associated with application management and rebate and incentive processing (deemed and custom)	Rebate & Application Processing	
Inspections	Costs associated with project inspections	Inspections	
Portfolio Analytics	Includes analytics support, including internal performance reporting and external reporting	Data analytics	Data development for programs, products and services; Standard and ad hoc data extracts for internal and external clients ; Database management; CPUC, CAISO reporting; Data reconciliation; E3 support ; Compliance filing support; Funding Oversight; ESPI support; Program Results Data & Performance
EM&V	EM&V expenditures	EM&V Studies	Program and product review; manage evaluation studies
		EM&V Forecasting	EE lead for LTPP and IEPR; market potential study; integration w/ procurement planning; CPUC Demand Analysis Working Group
ME&O	Costs associated with utility EE marketing; no statewide; focus on outsourced portion	Marketing	Customer Programs, Products, and Services Marketing; Digital Product Development; Digital Content & Optimization
		Customer insights	Voice of the Customer; Customer satisfaction study measurement and analysis (JD Power, SDS); Customer testing/research
Account Management / Sales	Costs associated with account rep energy efficiency sales functions	Account Management	
IT	IT project specific costs and regular O&M	IT - project specific	Projects and minor enhancements. Includes project management/business integration ("PMO/BID"). Excluded: maintenance (which SCE defines as when something goes down, normal batch processing, verifying interfaces, etc.).
		IT - regular O&M	
Call Center	Costs associated with call center staff fielding EE program questions	Call Center	

Incentives	Costs of rebate and incentive payments to customers	Incentives	
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Pa Name:
Budget Year:
PORTFOLIO SUMMARY

Marin Clean Energy
2022-2023

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	MTHHERMS	KWH	KW	MMTHERMS
Residential	\$ 220,637	\$ 633,100	\$ 241,065	\$ 1,094,803	\$ 441,210	\$ 1,748,075	\$ 2,347,715	\$ 4,537,000	\$ 467,441	\$ 1,852,004	\$ 2,319,975	\$ 4,639,421	278,583	4	0.01	3,339,467	56	0.05	4,811,750	59	0.05
Commercial	\$ 128,112	\$ 560,987	\$ 326,407	\$ 1,015,506	\$ 343,614	\$ 2,380,112	\$ 4,078,265	\$ 6,801,991	\$ 427,097	\$ 2,958,376	\$ 4,087,055	\$ 7,472,528	1,746,234	98	0.08	9,204,233	1,222	0.07	9,256,230	1,216	0.07
Industrial	\$ 277,576	\$ 281,430	\$ 33,727	\$ 592,732	\$ 514,283	\$ 583,911	\$ 191,263	\$ 1,289,458	\$ 479,650	\$ 544,589	\$ 120,204	\$ 1,144,443	424,552	8	(0.00)	1,552,963	18	0.18	1,456,661	16	0.15
Agriculture	\$ 85,408	\$ 130,096	\$ 17,740	\$ 233,243	\$ 429,968	\$ 228,937	\$ 146,043	\$ 804,948	\$ 439,660	\$ 234,097	\$ 122,517	\$ 796,274	369,162	-	-	976,693	75	0.03	981,779	80	0.03
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
Cross Cutting*	\$ -	\$ 118,326	\$ -	\$ 118,326	\$ 141,407	\$ 541,163	\$ -	\$ 682,571	\$ 154,417	\$ 541,163	\$ -	\$ 695,580	-	-	-	-	-	-	-	-	-
Total Sector Budget	\$ 711,733	\$ 1,723,939	\$ 618,938	\$ 3,054,610	\$ 1,870,482	\$ 5,482,198	\$ 6,763,287	\$ 14,115,967	\$ 1,968,264	\$ 6,130,230	\$ 6,649,751	\$ 14,748,246	2,818,531	110	0.09	15,073,357	1,370	0.34	16,506,420	1,371	0.30
EM&V-PA	\$ -	\$ 25,622	\$ -	\$ 25,622	\$ 45,008	\$ 180,031	\$ -	\$ 225,039	\$ 46,731	\$ 186,923	\$ -	\$ 233,653	-	-	-	-	-	-	-	-	-
EM&V-ED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,126	\$ -	\$ 363,126	\$ -	\$ 380,857	\$ -	\$ 380,857	-	-	-	-	-	-	-	-	-
DBF - Loan Pool**	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
CEC AB881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
PA Spending Budget Request (PA Program and EM)	\$ 711,733	\$ 1,749,561	\$ 618,938	\$ 3,080,232	\$ 1,915,490	\$ 6,025,355	\$ 6,763,287	\$ 14,704,132	\$ 2,014,995	\$ 6,698,009	\$ 6,649,751	\$ 15,362,756	2,818,531	110	0.09	15,073,357	1,370	0.34	16,506,420	1,371	0.30

* 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

Marin Clean Energy
 2022-2023

Functional Group	2020 EE Portfolio FTE	2022 EE Portfolio FTE	2023 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance	1.0	1.1	1.1
Program Management	2.1	3.5	3.5
Engineering Services			
Customer Application/Rebate/Incentive Processing	0.3	0.5	0.5
Customer Project Inspections	0.1	0.1	0.1
Portfolio Analytics	0.3	0.3	0.3
EM&V	0.1	0.3	0.3
ME&O (Local)	0.5	0.8	0.8
Account Management / Sales			
IT			
Call Center			
Total	4.4	6.5	6.5

Notes:

||
 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.

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 44,127	\$ 88,242	\$ 93,488
		Program Management	\$ 132,382	\$ 264,726	\$ 280,465
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 22,064	\$ 44,121	\$ 46,744
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 22,064	\$ 44,121	\$ 46,744
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 220,637	\$ 441,210	\$ 467,441
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 480,302	\$ 1,326,177	\$ 1,405,023
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 16,362	\$ 45,177	\$ 47,863
		Program Management	\$ 120,075	\$ 331,544	\$ 351,256
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 16,362	\$ 45,177	\$ 47,863
		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	\$ 241,065	\$ 2,347,715	\$ 2,319,975
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 874,165	\$ 4,095,790	\$ 4,171,979
Residential Total			\$ 1,094,803	\$ 4,537,000	\$ 4,639,421
	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.¶

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	\$ 25,622	\$ 68,723	\$ 85,419
		Program Management	\$ 76,867	\$ 206,168	\$ 256,258
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 12,811	\$ 34,361	\$ 42,710
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 12,811	\$ 34,361	\$ 42,710
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 128,112	\$ 343,614	\$ 427,097
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 432,102	\$ 1,833,291	\$ 2,278,701
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 10,429	\$ 44,249	\$ 55,000
		Program Management	\$ 108,026	\$ 458,323	\$ 569,675
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 10,429	\$ 44,249	\$ 55,000
		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	\$ 326,407	\$ 4,078,265	\$ 4,087,055
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 887,394	\$ 6,458,377	\$ 7,045,431
Commercial Total (5)			\$ 1,015,506	\$ 6,801,991	\$ 7,472,528
	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.¶

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	\$ 55,515	\$ 102,857	\$ 95,930
		Program Management	\$ 166,545	\$ 308,570	\$ 287,790
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 27,758	\$ 51,428	\$ 47,965
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 27,758	\$ 51,428	\$ 47,965
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 277,576	\$ 514,283	\$ 479,650
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 202,785	\$ 420,738	\$ 392,404
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 13,974	\$ 28,994	\$ 27,042
		Program Management	\$ 50,696	\$ 105,185	\$ 98,101
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 13,974	\$ 28,994	\$ 27,042
		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	\$ 33,727	\$ 191,263	\$ 120,204
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 315,156	\$ 775,174	\$ 664,793
Industrial Total (5)			\$ 592,732	\$ 1,289,458	\$ 1,144,443
	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.

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	\$ 17,081.6	\$ 85,993.7	\$ 87,931.9
		Program Management	\$ 51,244.7	\$ 257,981.0	\$ 263,795.8
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 8,540.8	\$ 42,996.8	\$ 43,966.0
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 8,540.8	\$ 42,996.8	\$ 43,966.0
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 85,407.9	\$ 429,968.3	\$ 439,659.6
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 95,827.1	\$ 168,632.6	\$ 172,433.5
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 5,155.9	\$ 9,073.2	\$ 9,277.7
		Program Management	\$ 23,956.8	\$ 42,158.1	\$ 43,108.4
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 5,155.9	\$ 9,073.2	\$ 9,277.7
		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	\$ 17,739.8	\$ 146,043.0	\$ 122,516.8
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 147,835.5	\$ 374,980.1	\$ 356,614.0
Agricultural Total (5)			\$ 233,243.4	\$ 804,948.4	\$ 796,273.6
	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.

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.¶

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	\$ -	\$ -	\$ -
		Program Management	\$ -	\$ 141,407.270	\$ 154,416.740
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ -	\$ 141,407.270	\$ 154,416.740
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 94,660.832	\$ 432,930.665	\$ 432,930.665
		Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -	\$ -
		Program Management	\$ 23,665.208	\$ 108,232.666	\$ 108,232.666
		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		\$ 118,326.040	\$ 541,163.331	\$ 541,163.331
Cross-Cutting Total (5)			\$ 118,326.040	\$ 682,570.601	\$ 695,580.071
	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.¶

ATTACHMENT B

MCE Supplemental Budget Showing

Attachment B: Marin Clean Energy Supplemental Budget Showing

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

A. Narrative description of in-house departments/organizations supporting MCE’s EE portfolio

1. Functions conducted by each department/organization

MCE provides the following table to summarize the functions conducted by each in-house department based on the functional groups defined in the “Functions Definitions” in Appendix B.

Table 1: Functions Conducted by Departments Supporting MCE's EE Portfolio¹

Function	Customer Programs	Regulatory and Legislative Policy & Legal *	Technology & Analytics	Public Affairs *
Policy, Strategy, and Regulatory Reporting Compliance	x	x		
Program management	x			
Engineering Services				
Customer Application/Rebate and Incentive Processing	x			
Inspections				
Portfolio Analytics	x			
EM&V	x			
ME&O	x			x
Account Management / Sales				x
IT			x	
Call Center				
Incentives				

* These departments do not recover costs from the energy efficiency program budget.

2. Management structure and organization chart

MCE provides organizational charts for each department supporting the energy efficiency portfolio in Appendix A. These charts include the entire staff within each department even though only a subset of each team provides support to the energy

¹ These departments do not recover costs from the energy efficiency program budget.

efficiency portfolio. The management structure is represented on these organizational charts.

3. Staffing needs by department/organization

MCE's organizational charts are provided in Appendix A. MCE created one new Customer Programs Manager position and reassigned one existing Customer Program Manager to energy efficiency in 2021 to support the energy efficiency portfolio. Two Managers of Customer Programs had hours associated with energy efficiency reduced in 2021. MCE does not anticipate hiring additional Customer Programs staff to support energy efficiency programs beyond what is provided in the organization chart. The staffing needs for the Customer Programs department and other departments at MCE may change in the future. Staff changes to other departments are unlikely to be driven by the need to support energy efficiency functions. As a result, MCE doesn't project long-term growth in those departments related to supporting the energy efficiency portfolio.

4. Non-program functions currently performed by contractors

MCE currently works with contractors to support program reporting and measurement and verification (M&V).

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

MCE's in-house costs largely consist of staffing costs and since there are no further staffing changes planned for 2022-23, in-house cost should stay relatively steady after accounting for salary increases in each year.

6. Explanation of method for forecasting costs

MCE's portfolio budgets and goals were developed through an iterative bottoms-up process that involves coordination between MCE staff, implementers, and technical consultants. MCE considered service area demographic, COVID-19 impacts, and other EE policy objectives.

B. Table showing MCE's "Full-Time Equivalent" headcount by department/organization

MCE provides this table in Appendix B.

C. Table showing costs by functional area of management structure

MCE provides this table in the: (1) Residential Budget Detail; (2) Commercial Budget Detail; (3) Industrial Budget Detail; (4) Agricultural Budget Detail; (5) and Cross-Cutting Budget Detail in Appendix C.

D. Table showing cost drivers across the EE organization

MCE's 2022 and 2023 budget requests are 31% and 40% higher than its originally-authorized budgets, respectively. However, D.18-05-041 allows PAs to request unrequested funds as long as the total requested funding stays below the cumulative budget cap for the business plan period.² As shown in Table 2, including 2022 and 2023 forecasted portfolio budgets, MCE will have \$15.5M in unrequested funds remaining for the current

² D.18-08-041 at p. 132.

business plan period. The remaining amount in unrequested funds was adjusted for the fact that the new upcoming application will be in effect for 2024 and beyond.

Table 2: MCE Budget and Savings True-Up

Sector	Annual Rolling Portfolio Budget Forecast - True-up									
	2018**	2019	2020	2021	2022	2023	2024	2025	Total	
Residential	\$ 558,107	\$ 1,317,213	\$ 1,094,802	\$ 2,733,236	\$ 4,537,000	\$ 4,639,421	\$ -	\$ -	\$ -	\$ 14,879,779
Commercial	\$ 617,207	\$ 643,277	\$ 1,015,506	\$ 7,010,541	\$ 6,801,991	\$ 7,472,528	\$ -	\$ -	\$ -	\$ 23,561,051
Industrial	\$ 137,360	\$ 113,244	\$ 592,732	\$ 871,077	\$ 1,289,458	\$ 1,144,443	\$ -	\$ -	\$ -	\$ 4,148,314
Agriculture	\$ -	\$ 93,618	\$ 233,243	\$ 468,195	\$ 804,948	\$ 796,274	\$ -	\$ -	\$ -	\$ 2,396,278
Emerging Tech	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Codes and Standards	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WE&T	\$ -	\$ -	\$ 118,326	\$ 361,481	\$ 682,571	\$ 695,580	\$ -	\$ -	\$ -	\$ 1,857,958
Finance	\$ 18,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,524
OBF Loan Pool	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 1,331,198	\$ 2,167,352	\$ 3,054,610	\$ 11,444,530	\$ 14,115,967	\$ 14,748,246	\$ -	\$ -	\$ -	\$ 46,861,902
EM&V	\$ 16,590	\$ 95,351	\$ 25,622	\$ 119,113	\$ 588,165	\$ 614,510	\$ -	\$ -	\$ -	\$ 1,459,351
Total Portfolio Program Year PA Budget	\$ 1,347,788	\$ 2,262,703	\$ 3,080,232	\$ 11,563,643	\$ 14,704,132	\$ 15,362,756	\$ -	\$ -	\$ -	\$ 48,321,253
Total PY Unrequested Funds	\$ 7,184,212	\$ 6,269,298	\$ 9,323,768	\$ 840,357	\$ (3,706,132)	\$ (4,364,756)	\$ 10,998,000	\$ 10,870,000	\$ 10,870,000	\$ 37,414,747
Total Cumulative Unrequested Funds	\$ 7,184,212	\$ 13,453,510	\$ 22,777,278	\$ 23,617,635	\$ 19,911,503	\$ 15,546,747	\$ 26,544,747	\$ 37,414,747	\$ 37,414,747	\$ 37,414,747
Total Authorized Portfolio PY Budget Cap	\$ 8,532,000	\$ 8,532,000	\$ 12,404,000	\$ 12,404,000	\$ 10,998,000	\$ 10,998,000	\$ 10,998,000	\$ 10,870,000	\$ 10,870,000	\$ 85,736,000

*2018 - 2020 are actual expenditures. 2021 - 2023 are forecasted expenditures.

** "Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025.

E. Allocation of labor and O&M costs

MCE staff complete timesheets on which they designate the number of hours spent on EE activities. For employees who work on both EE and non-EE work, labor costs are billed proportionally based on hours recorded on staff timesheets for each activity.

The costs for the time spent on EE activities are reimbursed from the EE Programs Account. This account draws on the awarded energy efficiency budget. Costs from other departments that support MCE's EE portfolio are not reimbursed from the EE Programs Account. Those departments are fully supported from the General Operating Account (funded by generation service revenues).

Labor costs charged to EE are fully loaded. Benefit-related expenses for MCE employees who bill time to the EE program are paid from the EE Programs Account proportionate to the amount of time they spend on EE Programs. These costs are incorporated into the "fully-burdened" cost MCE charges to the EE reimbursable account as aforementioned.

Non-labor resources that support EE and non-EE activities are paid for entirely using non-EE funds from the General Operating Account (funded by generation services revenues). The only non-labor resources that are paid for with EE funds are those that exclusively support EE.

All O&M costs are paid for with non-EE funds from the General Operating Account (funded by generation service revenues), unless they exclusively support EE, in which case they are paid for using EE funds.

II. BUDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING MEMO

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.”

MCE has provided the requested information in Appendix D. MCE’s forecasted energy savings targets and budgets goals were developed through an iterative bottoms-up process that involves coordination between MCE staff, implementers, and technical consultants. MCE considered service area demographic, COVID-19 impacts, and other EE policy objectives.

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.”

MCE has provided the requested information in Appendix E. MCE developed a staffing budget based on our projected staffing needs. The distribution of staffing costs across budget categories for 2022-2023 is based on the allocation in 2020 with some adjustments for areas in which we expect staff involvement to change.

C. Attachment-A, Question C.10

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

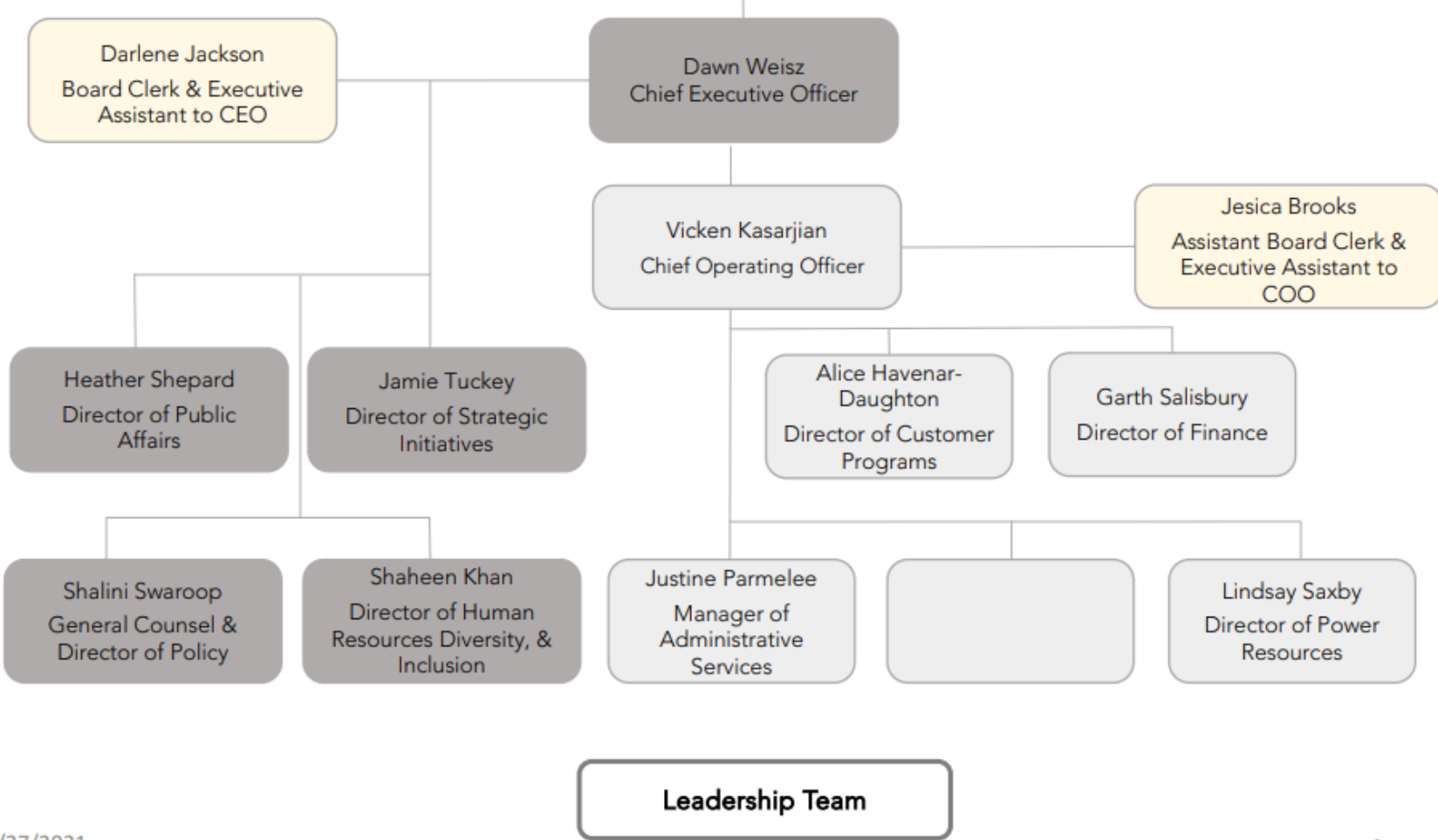
This question is not applicable to MCE.

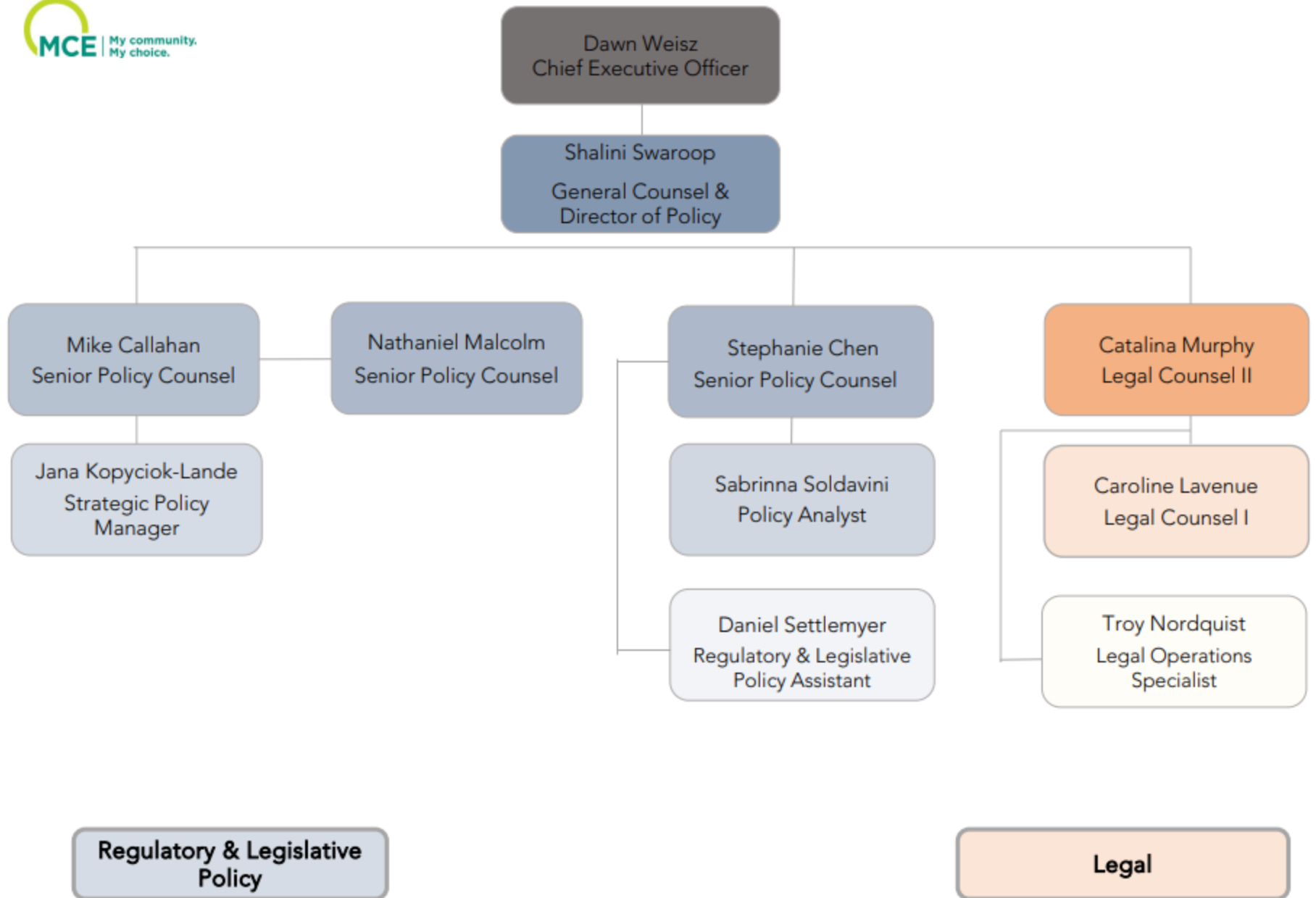
III. Appendices

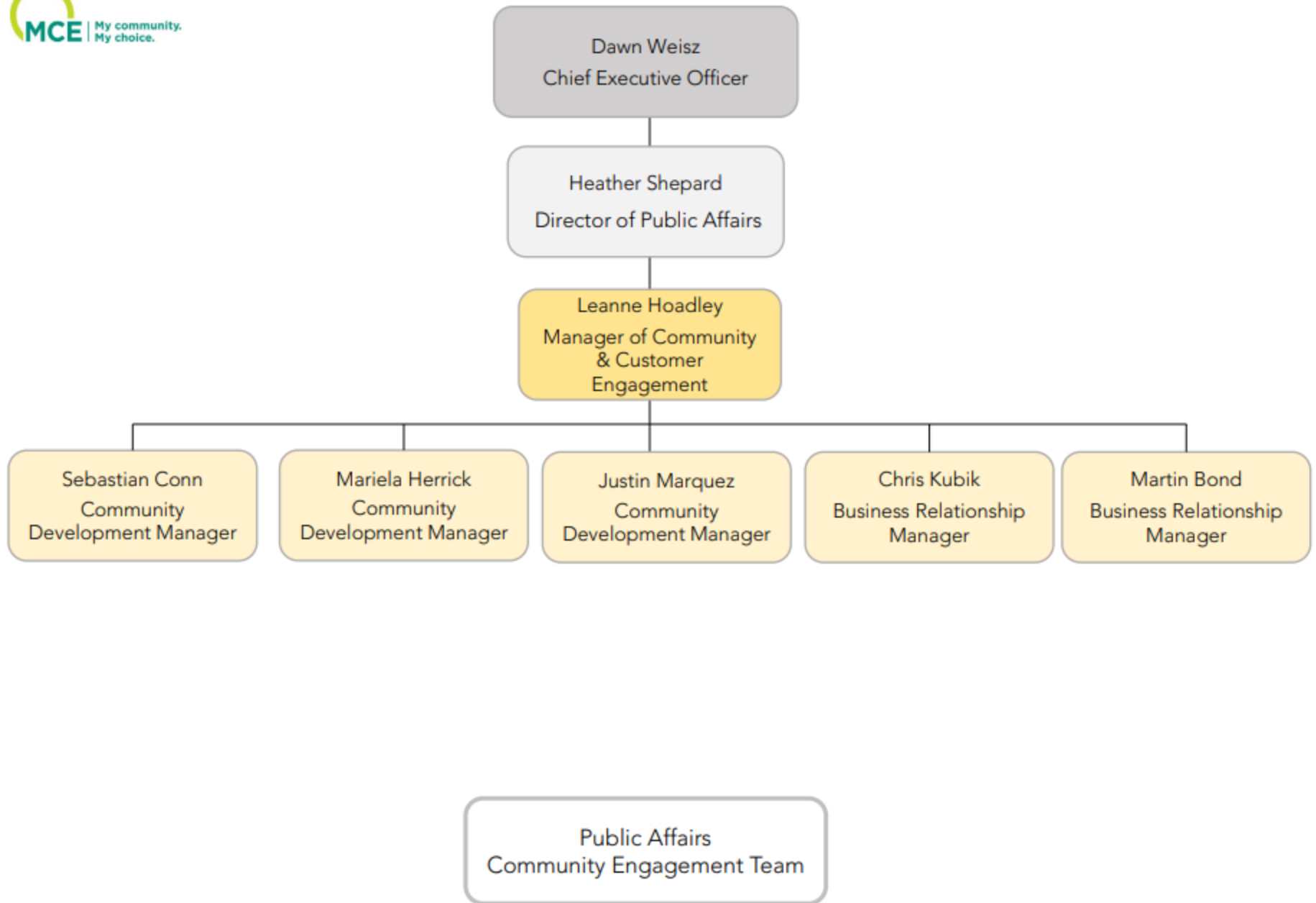
Appendix A: Supporting Information – Request I. A.

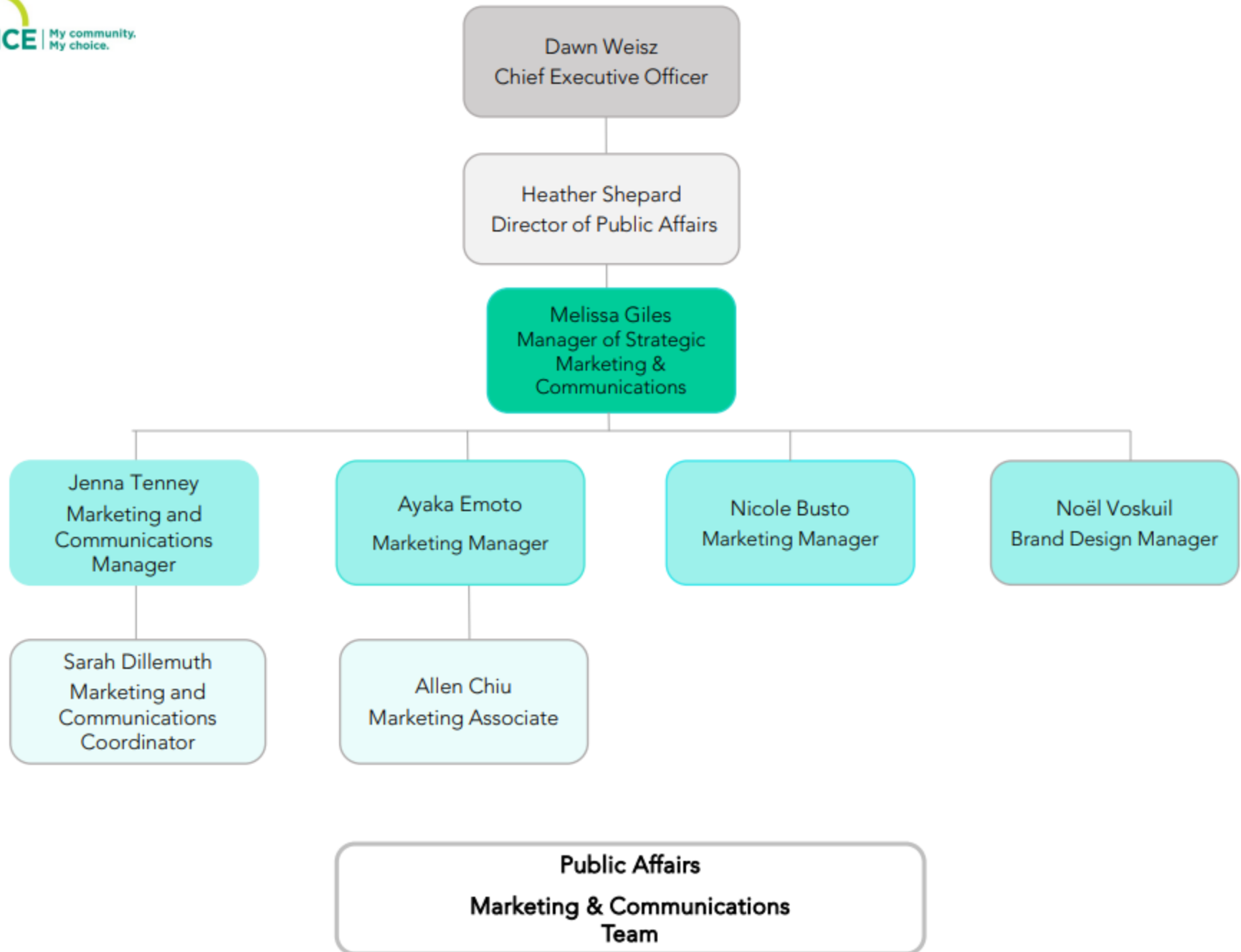


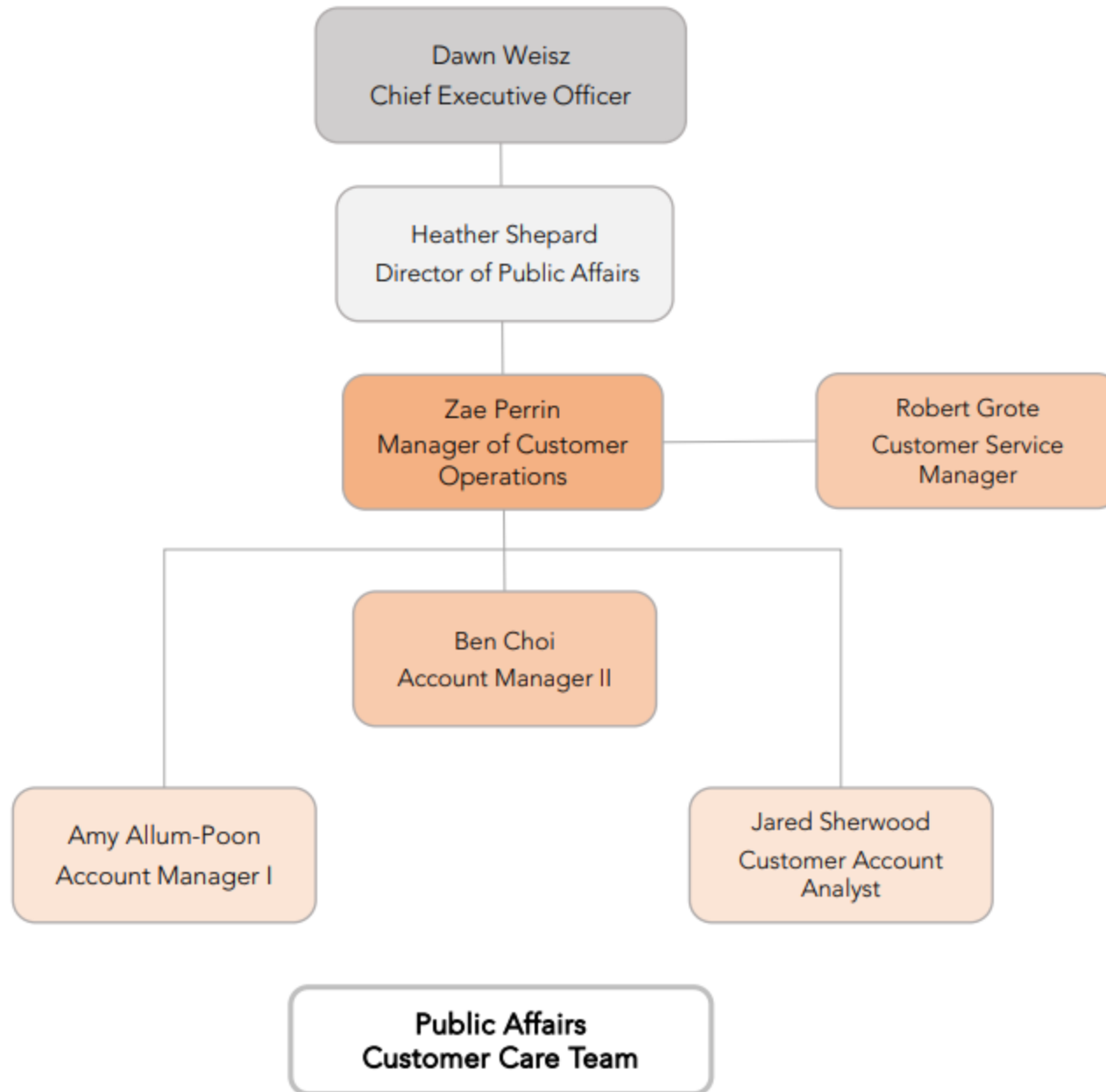
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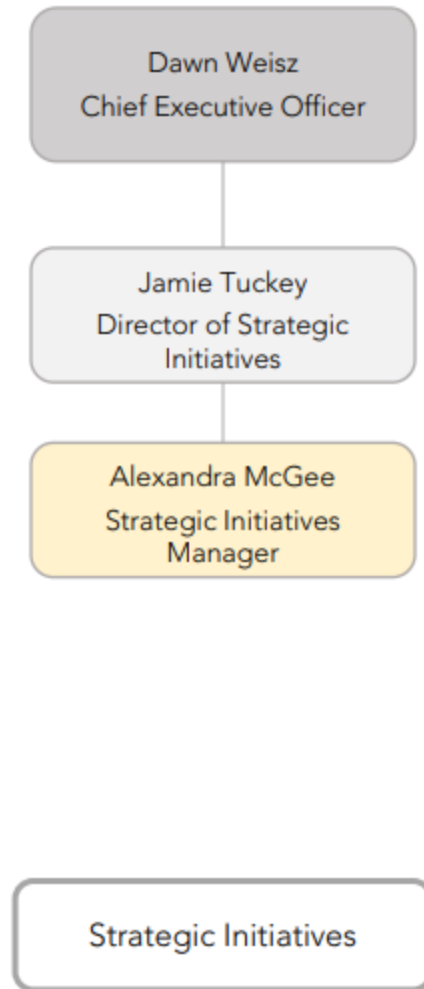


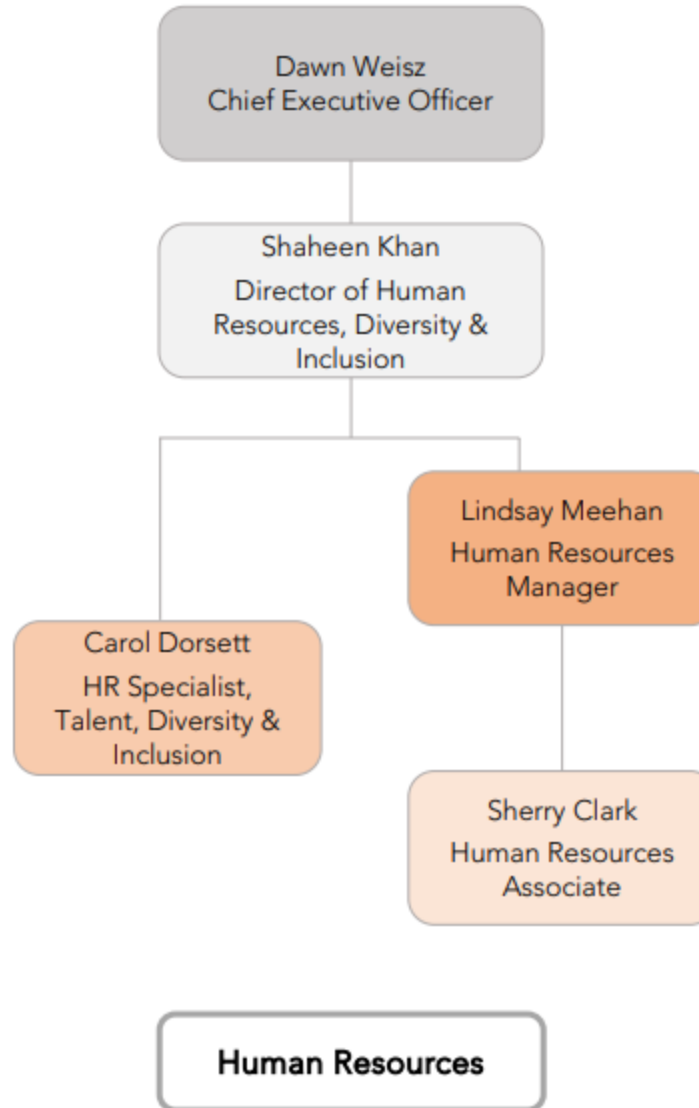


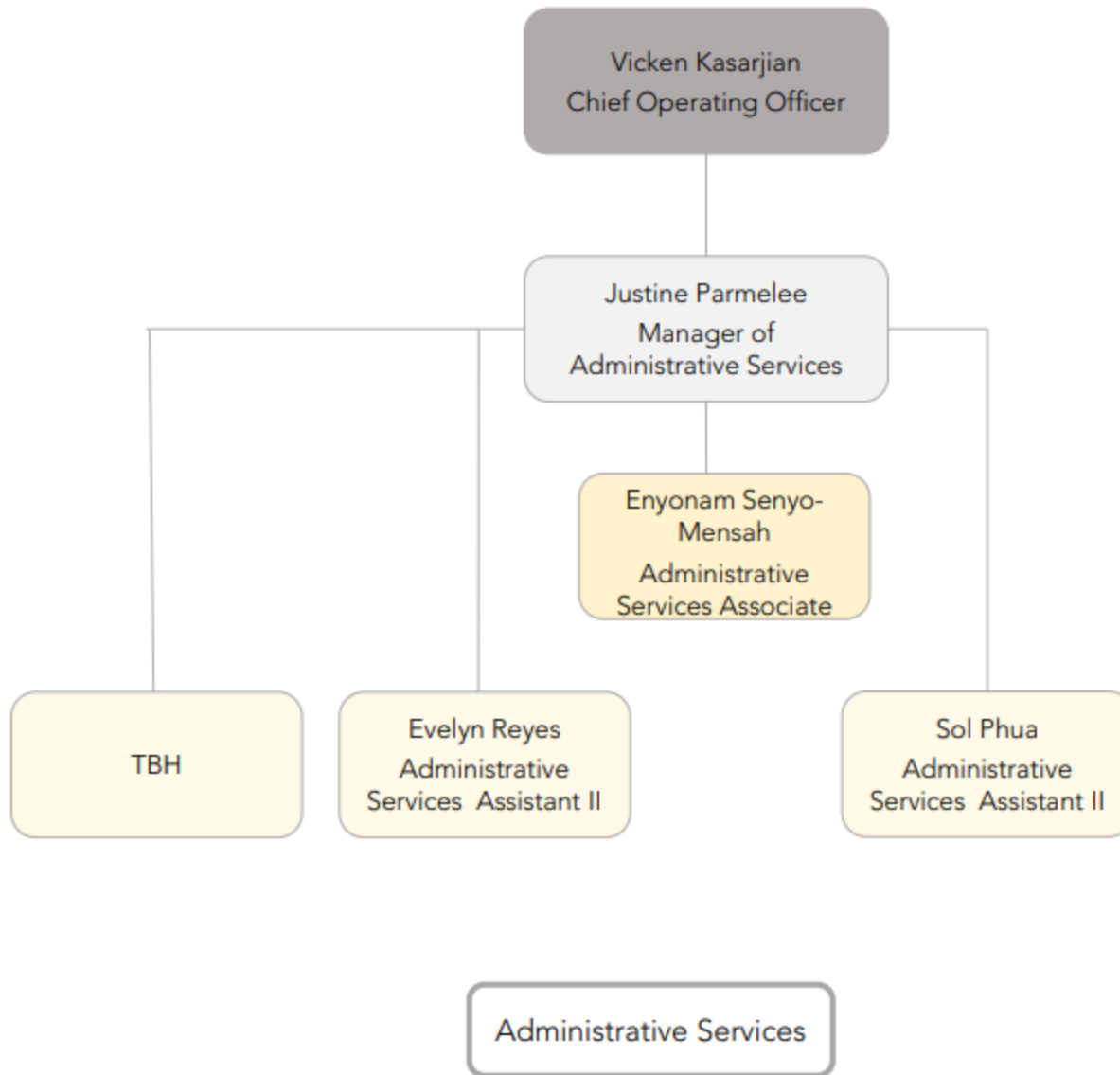


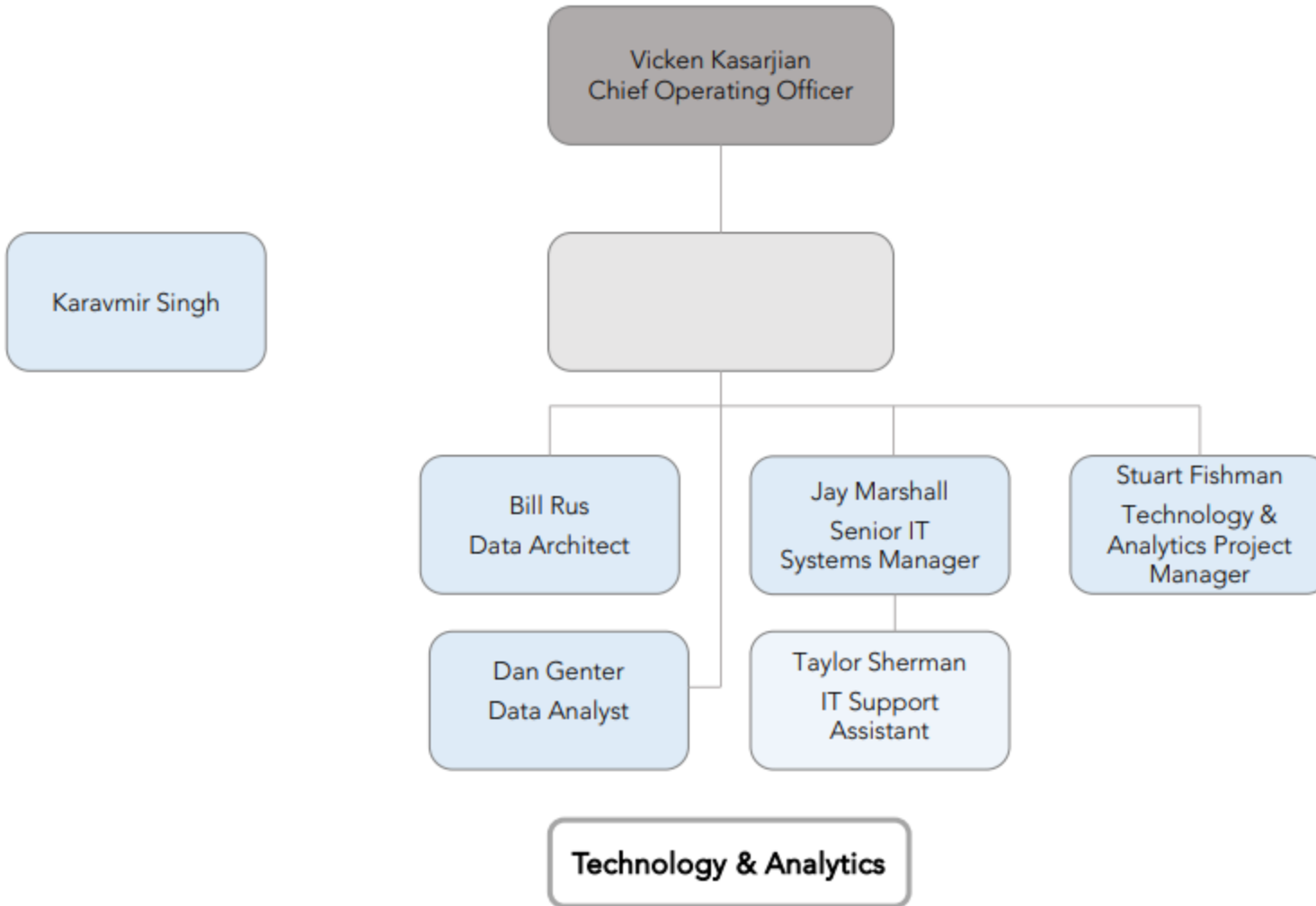


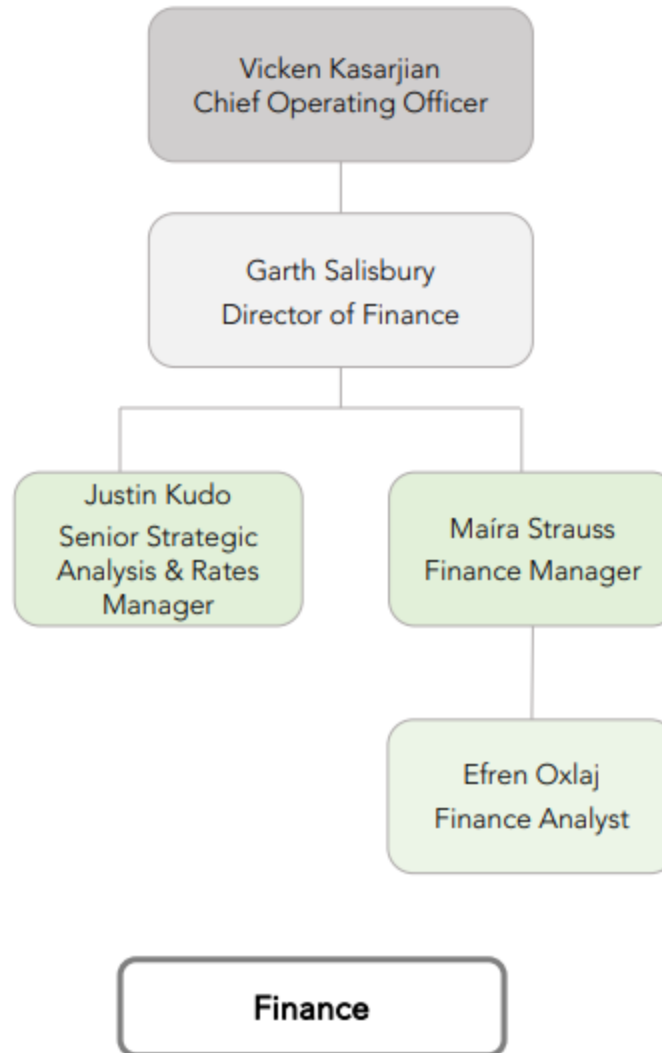


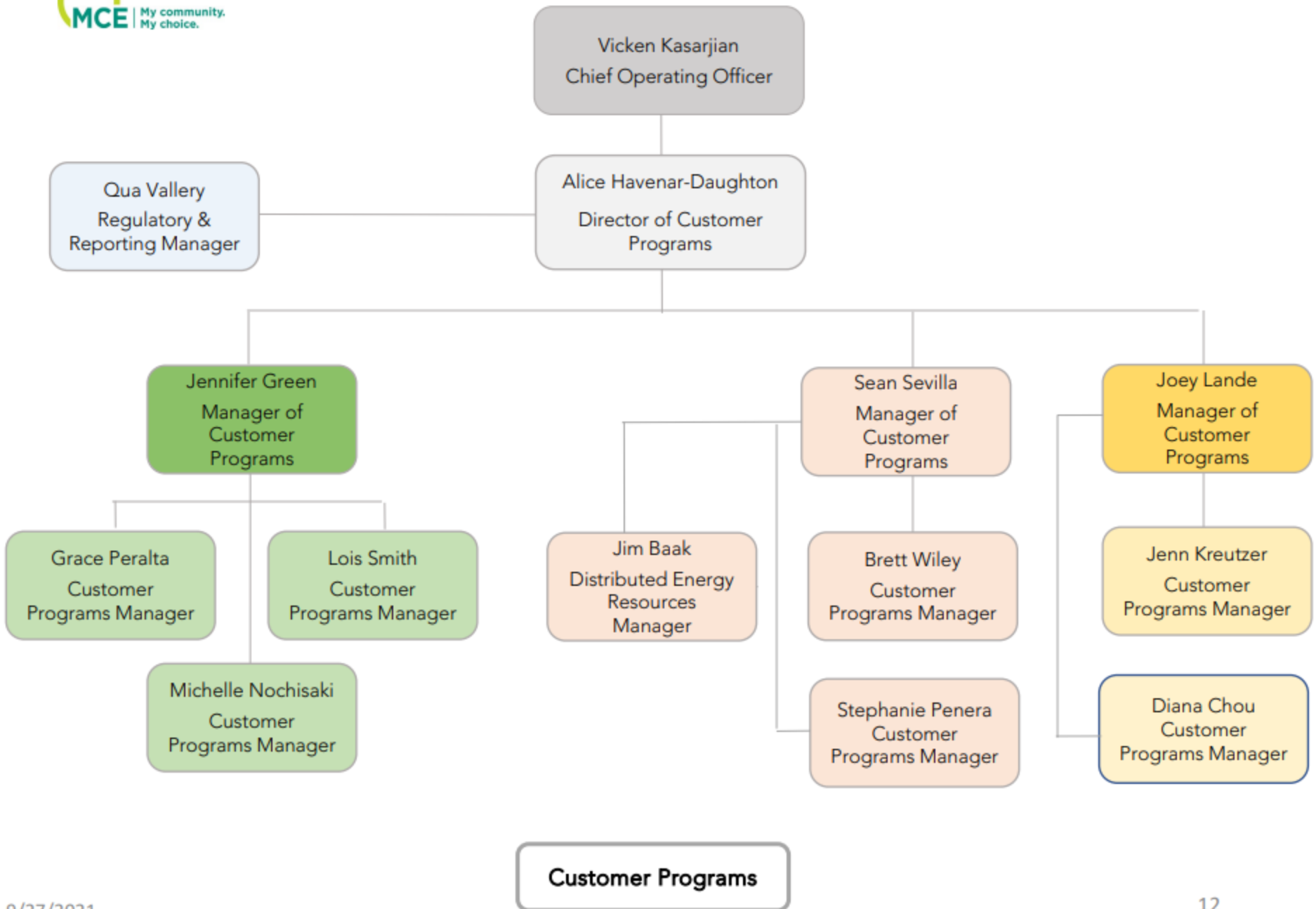


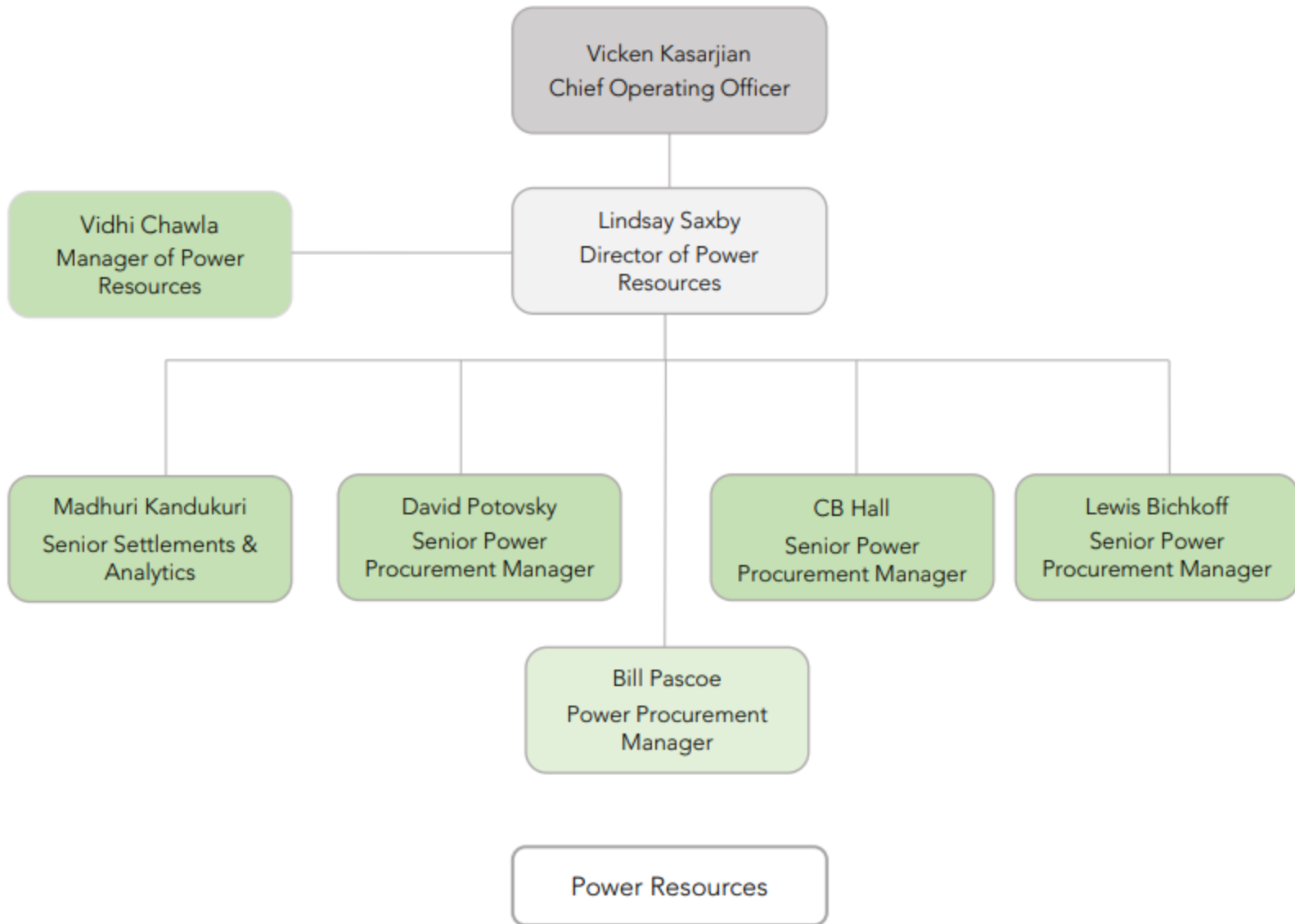












Appendix B: Supporting Information – Request I.B.

<u>Functional Group</u>	<u>2020 EE Portfolio FTE</u>	<u>2022 EE Portfolio FTE</u>	<u>2023 Portfolio FTE</u>
Policy, Strategy and Regulatory Reporting Compliance	1.0	1.1	1.1
Program Management	2.1	3.5	3.5
Engineering Services	-	-	-
Customer Application/Rebate/Incentive Processing	0.3	0.5	0.5
Customer Project Inspections	0.1	0.1	0.1
Portfolio Analytics	0.3	0.3	0.3
EM&V	0.1	0.3	0.3
ME&O	0.5	0.8	0.8
Account Management/Sales	-	-	-
IT	-	-	-
Call Center	-	-	-
Total	4.5	6.5	6.5

Aggregated Category	Definition	Functional Category	Detailed Definition
Policy, Strategy, and Regulatory Reporting Compliance	Includes policy, strategy, compliance, audits and regulatory support	Planning & Compliance	DSM Goal Planning; lead legislative review/positioning; policy support on reg proceedings; portfolio optimization; end use-market strategy; DSM lead for PRP, DRP, ES; locational targeting; audit support; SOX certifications; developing control plans; developing action plans; continuous monitoring; inspections; program/product QA/QC; decision compliance oversight/tracking; data requests; policies & procedures
		Company Regulatory Support	Case management for EE proceedings
Program management	Includes labor, contracts, admin costs for program design, program implementation, product and channel management for all sectors	Program Management & Delivery	
		Product Management	Manage end-to-end new products and services (P&S) intake, evaluation, and launch process; develop and facilitate P&S governance teams, coordination of all sub-process owners, stakeholders, and technical resources required to evaluate and launch new products; evaluate and launch new services and OOR opportunities; develop external partnerships & strategic alliances; work with various companies and associations to help advance standards, products, and tech.; work with external experts to help reduce MCE costs to deliver new prog. and products; develop and launch new customer technologies, products, services for residential and business customers; conduct customer pilots of new technologies and programs; lead customer field demonstrations of new technologies and products; align new P&S to savings programs/incentives; develop new programs/incentives in support of savings goals
		Channel Management	
		Contract Management	Budget forecasting, spend tracking, invoice processing, and contract management with vendors and suppliers; Regulatory support for ME&O activities
Engineering Services	Includes engineering, project management, and contracts associated with workpaper development and pre/post sales project	Custom project support	Management of Emerging Products projects; Customized reviews; LCR/RFO support; Ex-ante review management; Technical policy support; Technical assessments; Workpapers; Tool development; End use subject matter expertise
		Deemed workpapers	

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

Call Center	Costs associated with call center staff fielding EE program questions	Call Center	
Incentives	Costs of rebate and incentive payments to customers	Incentives	

Appendix C: Supporting Information – Request I.C.

Residential

Sector	Cost Element	Functional Group	2020 EE Portfolio Expenditures	2022 EE Portfolio Budget	2023EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 44,127	\$ 88,242	\$ 93,488
		Program Management	\$ 132,382	\$ 264,726	\$ 280,465
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 22,064	\$ 44,121	\$ 46,744
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 22,064	\$ 44,121	\$ 46,744
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 220,637	\$ 441,210	\$ 467,441
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 480,302	\$ 1,326,177	\$ 1,405,023
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 16,362	\$ 45,177	\$ 47,863
		Program Management	\$ 120,075	\$ 331,544	\$ 351,256
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 16,362	\$ 45,177	\$ 47,863
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT (4)	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
		Facilities	\$ -	\$ -	\$ -
		Incentives--(PA-implemented and Other Contracts Program Implementation) Program	\$ 241,065	\$ 2,347,715	\$ 2,319,975
		Incentives-- Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 874,165	\$ 4,095,790	\$ 4,171,979
Residential Total			\$ 1,094,803	\$ 4,537,000	\$ 4,639,421
	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".				

Commercial

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	\$ 25,622	\$ 68,723	\$ 85,419
		Program Management	\$ 76,867	\$ 206,168	\$ 256,258
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 12,811	\$ 34,361	\$ 42,710
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 12,811	\$ 34,361	\$ 42,710
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management /Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 128,112	\$ 343,614	\$ 427,097
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 432,102	\$ 1,833,291	\$ 2,278,701
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 10,429	\$ 44,249	\$ 55,000
		Program Management	\$ 108,026	\$ 458,323	\$ 569,675
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 10,429	\$ 44,249	\$ 55,000
		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	\$ 326,407	\$ 4,078,265	\$ 4,087,055
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 887,394	\$ 6,458,377	\$ 7,045,431
Commercial Total (5)			\$ 1,015,506	\$ 6,801,991	\$ 7,472,528
	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-IDEA, 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.				

Industrial

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	\$ 55,515	\$ 102,857	\$ 95,930
		Program Management	\$ 166,545	\$ 308,570	\$ 287,790
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 27,758	\$ 51,428	\$ 47,965
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 27,758	\$ 51,428	\$ 47,965
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 277,576	\$ 514,283	\$ 479,650
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 202,785	\$ 420,738	\$ 392,404
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 13,974	\$ 28,994	\$ 27,042
		Program Management	\$ 50,696	\$ 105,185	\$ 98,101
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 13,974	\$ 28,994	\$ 27,042
		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	\$ 33,727	\$ 191,263	\$ 120,204
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 315,156	\$ 775,174	\$ 664,793
Industrial Total (5)			\$ 592,732	\$ 1,289,458	\$ 1,144,443
	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".				

Agricultural

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	\$ 17,081.6	\$ 85,993.7	\$ 87,931.9
		Program Management	\$ 51,244.7	\$ 257,981.0	\$ 263,795.8
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 8,540.8	\$ 42,996.8	\$ 43,966.0
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ 8,540.8	\$ 42,996.8	\$ 43,966.0
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ 85,407.9	\$ 429,968.3	\$ 439,659.6
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 95,827.1	\$ 168,632.6	\$ 172,433.5
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 5,155.9	\$ 9,073.2	\$ 9,277.7
		Program Management	\$ 23,956.8	\$ 42,158.1	\$ 43,108.4
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ 5,155.9	\$ 9,073.2	\$ 9,277.7
		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	\$ 17,739.8	\$ 146,043.0	\$ 122,516.8
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 147,835.5	\$ 374,980.1	\$ 356,614.0
Agricultural Total (5)			\$ 233,243.4	\$ 804,948.4	\$ 796,273.6
	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".				

Public Sector

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".				

Cross Cutting

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	\$ -	\$ -	\$ -
		Program Management	\$ -	\$ 141,407.270	\$ 154,416.740
		Engineering services	\$ -	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -	\$ -
		IT	\$ -	\$ -	\$ -
		Call Center	\$ -	\$ -	\$ -
	Labor Total		\$ -	\$ 141,407.270	\$ 154,416.740
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -	\$ -
		Other Contracts	\$ -	\$ -	\$ -
		Program Implementation	\$ 94,660.832	\$ 432,930.665	\$ 432,930.665
		Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -	\$ -
		Program Management	\$ 23,665.208	\$ 108,232.666	\$ 108,232.666
		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) Program	\$ -	\$ -	\$ -
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)	\$ -	\$ -	\$ -
	Non-Labor Total		\$ 118,326.040	\$ 541,163.331	\$ 541,163.331
Cross-Cutting Total (5)			\$ 118,326.040	\$ 682,570.601	\$ 695,580.071
	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.				

Appendix D: Supporting Information – Response to Scoping Memo, Attachment A, Question C.8.

Energy Savings Targets and Expenditures by Sector

Sector	2020 EE Portfolio Expenditures				2022 EE Portfolio Budget				2023 EE Portfolio Budget				2022 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	MMTHERMS	KWh	KW	MMTHERMS
Residential	\$ 220,637	\$ 633,100	\$ 241,065	\$ 1,094,803	\$ 441,210	\$ 1,748,075	\$ 2,347,715	\$ 4,537,000	\$ 467,441	\$ 1,852,004	\$ 2,319,975	\$ 4,639,421	278,583	4	0.01	3,339,467	56	0	4,811,750	59	0.05
Commercial	\$ 128,112	\$ 560,987	\$ 326,407	\$ 1,015,506	\$ 343,614	\$ 2,380,112	\$ 4,078,265	\$ 6,801,991	\$ 427,097	\$ 2,958,376	\$ 4,087,055	\$ 7,472,528	1,746,234	98	0.08	9,204,233	1,222	0	9,256,230	1,216	0.07
Industrial	\$ 277,576	\$ 281,430	\$ 33,727	\$ 592,732	\$ 514,283	\$ 583,911	\$ 191,263	\$ 1,289,458	\$ 479,650	\$ 544,589	\$ 120,204	\$ 1,144,443	424,552	8	(0.00)	1,552,963	18	0	1,456,661	16	0.15
Agriculture	\$ 85,408	\$ 130,096	\$ 17,740	\$ 233,243	\$ 429,968	\$ 228,937	\$ 146,043	\$ 804,948	\$ 439,660	\$ 234,097	\$ 122,517	\$ 796,274	369,162	-	-	976,693	75	0	981,779	80	0.03
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
Cross Cutting*	\$ -	\$ 118,326	\$ -	\$ 118,326	\$ 141,407	\$ 541,163	\$ -	\$ 682,571	\$ 154,417	\$ 541,163	\$ -	\$ 695,580	-	-	-	-	-	-	-	-	-
Total Sector Budget	\$ 711,733	\$ 1,723,939	\$ 618,938	\$ 3,054,610	\$ 1,870,482	\$ 5,482,198	\$ 6,763,287	\$ 14,115,967	\$ 1,968,264	\$ 6,130,230	\$ 6,649,751	\$ 14,748,246	2,818,531	110	0.09	15,073,357	1,370	0	16,506,420	1,371	0.30
EM&V-PA	\$ -	\$ 25,622	\$ -	\$ 25,622	\$ 45,008	\$ 180,031	\$ -	\$ 225,039	\$ 46,731	\$ 186,923	\$ -	\$ 233,653	-	-	-	-	-	-	-	-	-
EM&V-ED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,126	\$ -	\$ 363,126	\$ -	\$ 380,857	\$ -	\$ 380,857	-	-	-	-	-	-	-	-	-
DBF - Loan Pool**	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
CEC AB841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-
PA Spending Budget Request (PA Program)	\$ 711,733	\$ 1,749,561	\$ 618,938	\$ 3,080,232	\$ 1,915,490	\$ 6,025,355	\$ 6,763,287	\$ 14,704,132	\$ 2,014,995	\$ 6,698,009	\$ 6,649,751	\$ 15,362,756	2,818,531	110	0.09	15,073,357	1,370	0	16,506,420	1,371	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.

Appendix E: Supporting Information – Response to Scoping Memo, Attachment A, Question C.9.

Energy Efficiency In-House Budget by Sector and Cross-Cutting

Sector	2020 EE Portfolio Expenditures				2022 EE Portfolio Budget				2023 EE Portfolio Budget			
	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total
Residential	\$ 220,637	\$ 633,100	\$ 241,065	\$ 1,094,803	\$ 441,210	\$ 1,748,075	\$ 2,347,715	\$ 4,537,000	\$ 467,441	\$ 1,852,004	\$ 2,319,975	\$ 4,639,421
Commercial	\$ 128,112	\$ 560,987	\$ 326,407	\$ 1,015,506	\$ 343,614	\$ 2,380,112	\$ 4,078,265	\$ 6,801,991	\$ 427,097	\$ 2,958,376	\$ 4,087,055	\$ 7,472,528
Industrial	\$ 277,576	\$ 281,430	\$ 33,727	\$ 592,732	\$ 514,283	\$ 583,911	\$ 191,263	\$ 1,289,458	\$ 479,650	\$ 544,589	\$ 120,204	\$ 1,144,443
Agriculture	\$ 85,408	\$ 130,096	\$ 17,740	\$ 233,243	\$ 429,968	\$ 228,937	\$ 146,043	\$ 804,948	\$ 439,660	\$ 234,097	\$ 122,517	\$ 796,274
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cross Cutting*	\$ -	\$ 118,326	\$ -	\$ 118,326	\$ 141,407	\$ 541,163	\$ -	\$ 682,571	\$ 154,417	\$ 541,163	\$ -	\$ 695,580
Total Sector Budget	\$ 711,733	\$ 1,723,939	\$ 618,938	\$ 3,054,610	\$ 1,870,482	\$ 5,482,198	\$ 6,763,287	\$ 14,115,967	\$ 1,968,264	\$ 6,130,230	\$ 6,649,751	\$ 14,748,246
EM&V-PA	\$ -	\$ 25,622	\$ -	\$ 25,622	\$ 45,008	\$ 180,031	\$ -	\$ 225,039	\$ 46,731	\$ 186,923	\$ -	\$ 233,653
EM&V-ED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,126	\$ -	\$ 363,126	\$ -	\$ 380,857	\$ -	\$ 380,857
OBF - Loan Pool**	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CEC AB841	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PA Spending Budget Request (PA Program and E	\$ 711,733	\$ 1,749,561	\$ 618,938	\$ 3,080,232	\$ 1,915,490	\$ 6,025,355	\$ 6,763,287	\$ 14,704,132	\$ 2,014,995	\$ 6,698,009	\$ 6,649,751	\$ 15,362,756

* 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.

ATTACHMENT C

MCE Budget and Savings True Up Table

2b. CCA-REN budget trueup

Sector	Annual Rolling Portfolio Budget Forecast - True-up								
	2018**	2019	2020	2021	2022	2023	2024	2025	Total
Residential	\$ 558,107	\$ 1,317,213	\$ 1,094,802	\$ 2,733,236	\$ 4,537,000	\$ 4,639,421	\$ -	\$ -	\$ 14,879,779
Commercial	\$ 617,207	\$ 643,277	\$ 1,015,506	\$ 7,010,541	\$ 6,801,991	\$ 7,472,528	\$ -	\$ -	\$ 23,561,051
Industrial	\$ 137,360	\$ 113,244	\$ 592,732	\$ 871,077	\$ 1,289,458	\$ 1,144,443	\$ -	\$ -	\$ 4,148,314
Agriculture	\$ -	\$ 93,618	\$ 233,243	\$ 468,195	\$ 804,948	\$ 796,274	\$ -	\$ -	\$ 2,396,278
Emerging Tech	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Public	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Codes and Standards	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WE&T	\$ -	\$ -	\$ 118,326	\$ 361,481	\$ 682,571	\$ 695,580	\$ -	\$ -	\$ 1,857,958
Finance	\$ 18,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,524
OBF Loan Pool	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 1,331,198	\$ 2,167,352	\$ 3,054,610	\$ 11,444,530	\$ 14,115,967	\$ 14,748,246	\$ -	\$ -	\$ 46,861,902
EM&V	\$ 16,590	\$ 95,351	\$ 25,622	\$ 119,113	\$ 588,165	\$ 614,510	\$ -	\$ -	\$ 1,459,351
Total Portfolio Program Year PA Budget	\$ 1,347,788	\$ 2,262,703	\$ 3,080,232	\$ 11,563,643	\$ 14,704,132	\$ 15,362,756	\$ -	\$ -	\$ 48,321,253
Total PY Unrequested Funds	\$ 7,184,212	\$ 6,269,298	\$ 9,323,768	\$ 840,357	\$ (3,706,132)	\$ (4,364,756)	\$ 10,998,000	\$ 10,870,000	\$ 37,414,747
Total Cumulative Unrequested Funds	\$ 7,184,212	\$ 13,453,510	\$ 22,777,278	\$ 23,617,635	\$ 19,911,503	\$ 15,546,747	\$ 26,544,747	\$ 37,414,747	\$ 37,414,747
Total Authorized Portfolio PY Budget Cap	\$ 8,532,000	\$ 8,532,000	\$ 12,404,000	\$ 12,404,000	\$ 10,998,000	\$ 10,998,000	\$ 10,998,000	\$ 10,870,000	\$ 85,736,000

*2018 - 2020 are actual expenditures. 2021 - 2023 are forecasted expenditures.

** "Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025.

Annual Rolling Portfolio Savings Forecast - True-up (kWh)

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	336,227	506,753	278,583	6,333,145	3,339,467	4,811,750	-	-
Commercial	823,364	1,005,902	1,746,234	11,647,083	9,204,233	9,256,230	-	-
Industrial	n/a	-	424,552	1,359,837	1,552,963	1,456,661	-	-
Agriculture	n/a	-	369,162	863,147	976,693	981,779	-	-
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Actual Portfolio Savings	1,159,591	1,512,656	2,818,530	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	1,846,947	1,846,947	11,442,395	20,203,211	15,073,357	16,506,420	-	-
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% of Goal*	63%	82%	25%	n/a	n/a	n/a	n/a	n/a

*2018 - 2020 are actual savings. 2021 - 2023 are forecasted savings.

Annual Rolling Portfolio Savings Forecast - True-up (kW)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	27	19	4	59	56	59	-	-
Commercial	126	211	98	273	1,222	1,216	-	-
Industrial	n/a	-	8	33	18	16	-	-
Agriculture	n/a	-	-	112	75	80	-	-
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Actual Portfolio Savings	153	230	110	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	349	696	1,628	477	1,370	1,371	-	-
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% of Goal*	44%	33%	7%	n/a	n/a	n/a	n/a	n/a

***2018 - 2020 are actual savings. 2021 - 2023 are forecasted savings.**

Annual Rolling Portfolio Savings Forecast - True-up (MMtherms)

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	0.07	0.12	0.01	0.06	0.05	0.05	-	-
Commercial	(0.00)	(0.00)	0.08	0.19	0.07	0.07	-	-
Industrial	n/a	-	(0.00)	0.13	0.18	0.15	-	-
Agriculture	n/a	-	-	0.01	0.03	0.03	-	-
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Actual Portfolio Savings	0.07	0.12	0.09	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	0.10	0.40	0.55	0.40	0.34	0.30	-	-
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% of Goal*	70%	30%	16%	n/a	n/a	n/a	n/a	n/a

***2018 - 2020 are actual savings. 2021 - 2023 are forecasted savings.**

Authorized PA Budgets for 2018-2025

	PG&E	SCE	SDG&E	SoCalGas	MCE	SoCalREN	BayREN	Total
2018	\$398,590,433	\$233,027,000	\$116,456,309	\$98,812,573	\$8,532,000	\$18,793,099	\$22,738,000	\$896,949,414
2019	\$390,634,566	\$253,364,000	\$116,456,309	\$101,961,000	\$8,532,000	\$20,740,920	\$23,950,000	\$915,638,795
2020	\$376,627,905	\$271,852,000	\$116,456,309	\$104,064,000	\$12,404,000	\$21,178,362	\$24,615,000	\$927,197,576
2021	\$376,627,905	\$266,803,000	\$116,456,309	\$106,195,000	\$12,404,000	\$21,626,987	\$23,216,000	\$923,329,201
2022	\$376,627,905	\$274,785,000	\$116,456,309	\$108,356,000	\$10,998,000	\$22,086,959	\$23,720,000	\$933,030,173
2023	\$376,627,905	\$283,007,000	\$116,456,309	\$110,548,000	\$10,998,000	\$22,558,944	\$24,605,000	\$944,801,158
2024	\$376,627,905	\$291,476,000	\$116,456,309	\$112,771,000	\$10,998,000	\$23,043,313	\$24,629,000	\$956,001,527
2025	\$376,627,905	\$300,198,000	\$116,456,309	\$115,028,000	\$10,870,000	\$23,540,840	\$25,503,000	\$968,224,054
TOTAL (excluding CCA/REN for IOU PAs)	\$3,048,992,429	\$2,174,512,000	\$931,650,472	\$857,735,573	\$85,736,000	\$173,569,424	\$192,976,000	\$7,465,171,898

ATTACHMENT D

MCE Budget Filing Detail Report

2011 MS	573848207		2.38	2.57	2.38	2.16	2.27				15.29	0.72	0.67	13238	0.38	0.38				
2012 MS	5406832336	4	1.80	1.85	1.87	1.58	1.65	0.90	0.97	0.97	12.94	1.44	1.76	12181	1.36	1.46	-	-	-	-
2013 MS	1617792825	4	1.80	1.82	1.82	1.60	1.68	0.97	0.92	0.92	12.65	0.85	0.96	1185	0.87	0.90	1.58	0.99	0.97	1.49
2014 MS	1149797945	3	1.80	1.80	1.78	1.50	1.54	0.91	0.85	0.85	12.60	0.89	0.97	1481	0.95	0.97	1.40	0.93	0.97	1.54
2017 MS	3118846879	3	1.80	1.80	1.80	1.60	1.60	0.90	0.88	0.88	12.55	0.89	0.90	1481	0.95	0.96	1.40	0.93	0.97	1.54
2018 MS		4	1.80	1.80	1.81	1.60	1.60	0.90	0.88	0.88	12.55	0.89	0.90	1481	0.95	0.96	1.40	0.93	0.97	1.54

Item	Description	Quantity	Unit	Price	Total
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Attachment E

CEDARS FILING SUBMISSION RECEIPT

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

PA: Marin Clean Energy (MCE)

Budget Filing Year: 2022

Submitted: 21:16:12 on 05 Nov 2021

By: Qua Vallery

Advice Letter Number: 54-E

* Portfolio Budget Filing Summary *

- TRC: 0.84
- PAC: 0.96
- TRC (no admin): 1.72
- PAC (no admin): 2.34
- RIM: 0.96
- Budget: \$14,704,132.04
- TotalSystemBenefit: \$13,995,061.20
- ElecBen: \$11,412,214.42
- GasBen: \$2,661,357.68
- OtherBen: \$0.00
- TRCCost: \$16,802,625.40
- PACCost: \$14,653,803.26

* Programs Included in the Budget Filing *

- MCE01: Multifamily Energy Savings
- MCE01c: Multifamily Strategic Energy Management
- MCE02: Commercial Upgrade
- MCE02a: Commercial Deemed
- MCE02b: Commercial Custom
- MCE02c: Commercial Strategic Energy Management
- MCE02d: Commercial Normalized Energy Consumption
- MCE07: Single Family Home Energy Report
- MCE08: Single Family Home Energy Savings
- MCE10: Industrial

- MCE10a: Industrial Deemed
- MCE10b: Industrial Custom
- MCE10c: Industrial Strategic Energy Management
- MCE10d: Industrial Normalized Metered Energy Consumption
- MCE11: Agricultural
- MCE11a: Agricultural Deemed
- MCE11b: Agricultural Custom
- MCE11c: Agricultural Strategic Energy Management
- MCE11d: Agricultural Normalized Metered Energy Consumption
- MCE16: Workforce Education and Training (WET)
- MCE17: Commercial Equity
- MCE97: CPUC EM&V;
- MCE98: MCE EM&V;

CEDARS FILING SUBMISSION RECEIPT

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

PA: Marin Clean Energy (MCE)

Budget Filing Year: 2023

Submitted: 21:17:32 on 05 Nov 2021

By: Qua Vallery

Advice Letter Number: 54-E

* Portfolio Budget Filing Summary *

- TRC: 0.86
- PAC: 0.97
- TRC (no admin): 1.86
- PAC (no admin): 2.5
- RIM: 0.97
- Budget: \$15,362,755.93
- TotalSystemBenefit: \$14,772,012.19
- ElecBen: \$12,381,742.57
- GasBen: \$2,479,647.75
- OtherBen: \$0.00
- TRCCost: \$17,381,607.62
- PACCost: \$15,324,198.26

* Programs Included in the Budget Filing *

- MCE01: Multifamily Energy Savings
- MCE01c: Multifamily Strategic Energy Management
- MCE02: Commercial Upgrade
- MCE02a: Commercial Deemed
- MCE02b: Commercial Custom
- MCE02c: Commercial Strategic Energy Management
- MCE02d: Commercial Normalized Energy Consumption
- MCE07: Single Family Home Energy Report
- MCE08: Single Family Home Energy Savings
- MCE10: Industrial

- MCE10a: Industrial Deemed
- MCE10b: Industrial Custom
- MCE10c: Industrial Strategic Energy Management
- MCE10d: Industrial Normalized Metered Energy Consumption
- MCE11: Agricultural
- MCE11a: Agricultural Deemed
- MCE11b: Agricultural Custom
- MCE11c: Agricultural Strategic Energy Management
- MCE11d: Agricultural Normalized Metered Energy Consumption
- MCE16: Workforce Education and Training (WET)
- MCE17: Commercial Equity
- MCE97: CPUC EM&V;
- MCE98: MCE EM&V;