

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Application of Southern California Edison
Company (U 338-E) for Approval of Energy
Efficiency Rolling Portfolio Business Plan.

And Related Matters

A.17-01-013
(Filed January 17, 2017)

A.17-01-014
A.17-01-015
A.17-01-016
A.17-01-017

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) RESPONSES TO THE
REQUEST FOR SUPPLEMENTAL BUDGET AND RELATED INFORMATION**

FADIA RAFEEDIE KHOURY
JANE LEE COLE

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-3860
Facsimile: (626) 302-7740
E-mail: Jane.Lee.Cole@sce.com

Dated: **June 12, 2017**

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I.

INTRODUCTION

Pursuant to the May 15, 2017 Email Ruling of the Administrative Law Judge Valerie U. Kao granting the request of Southern California Edison Company (SCE), San Diego Gas & Electric Company (SDG&E), Pacific Gas and Electric Company (PG&E), Southern California Gas Company, and Marin Clean Energy, San Francisco Bay Area Regional Energy Network, Southern California Regional Energy Network, and Tri-County Regional Energy Network), and The Utility Reform Network (TURN), together, the “Moving Parties” to submit certain responses to questions in Attachment A of the Scoping Memo and supplemental budget information by June 12, 2017, SCE submits the following supplemental budget and related information below.

The April 14, 2017 Scoping Memo directed “the business plan proponents to meet and confer with the interested parties to develop a standardized template for PA’s proposed

budgets.”¹ In response to this directive, the PAs held several meet and confer sessions with TURN and the Office of Ratepayer Advocates (ORA) and developed a common budget template (shown in Appendix A) as well as common budget-related questions to be answered by each PA (shown in Section II below) by June 12, 2017. SCE’s supplemental budget information in Section II below and in Appendix A is intended to provide the information in a manner that follows a format resulting from the meet-and-confer sessions with interested parties. SCE caveats that its budgets information below should be reviewed with a consideration that EE program administration will evolve under the new Rolling Portfolio structure, which include implementation of statewide programs and an expansion of third party programs to a minimum of 60% of SCE’s EE portfolio budget. Thus, the budget structures adopted in this proceeding should be flexible to allow PAs to perform their roles and responsibilities in the Rolling Portfolio EE market structure.

II.

NARRATIVE DESCRIPTION OF SCE’S ORGANIZATIONS

SUPPORTING ITS EE PORTFOLIO

A. Description of SCE’s Organizations Supporting Its EE Portfolio

In Request I.A., TURN/ORA ask for various information, including functions conducted by each organization, organization charts, staffing needs by organization, non-program functions performed by contractors, anticipated cost drivers, and explanation of forecasting cost method. SCE’s response to each item is provided below.

1. Functions Conducted by Each Organization

Multiple functions are performed to support SCE’s EE portfolio, including program management; engineering services; marketing; planning; compliance; contract management; and evaluation, measurement, and verification (EM&V). These functions

¹ Scoping Memo and Ruling of Assigned Commissioner and Administrative Law Judge, in A.17-01-013 et al, dated April 14, 2017, at p. 10.

are provided by various SCE organizations. To aid parties' understanding of which functions are performed by which SCE organizations, SCE included in Appendix B the function descriptions performed by each respective organization that supports its EE portfolio.

2. Management Structure and Organization Charts²

As described above, multiple SCE organizations support its EE portfolio, including SCE's Customer Programs and Services organization (CP&S), Business Customer Division (BCD), Customer Service Operations Division (CSOD), and Regulatory Affairs. SCE provides its organization chart for those organizations. In general, SCE's chief executive officer, president, and vice-presidents do not directly charge the EE balancing account. However, these positions have been included in the organization charts to show line-of-sight from SCE employees to executive management. In addition, certain other support organizations do not charge to the EE balancing account and have therefore been excluded from the attached documentation. These organizations include Finance, Legal, and Information Technology. Finally, the positions included in SCE's organization charts include SCE employees that charged to the EE balancing account during the first quarter of 2017. The organization charts exclude contingent workers, vacancies, and employees on leave of absence, interns, and service maintenance providers. See Appendix B for SCE's organization charts for those groups that support its EE portfolio.

² The provided organization charts provide SCE headcounts, which are represent the SCE employees that charged SCE's EE balancing account from January to March 2017. Headcount is different than "full time equivalent" or FTE employees. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. In addition, the headcount information in the organization charts represents SCE employees only, and does not include contingent workers, supplemental workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

3. Staffing Needs by Organization

Full Time Equivalents (FTEs) are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. In 2016, 392 FTEs supported SCE's EE portfolio. In 2018, SCE forecasts 377 FTEs to support its EE portfolio.

At this time, it is difficult for SCE to provide 2019 and 2020 forecast FTEs to supports its EE portfolio due to following factors:

1. The EE Potential & Goals Study is being updated that will result in a new PA savings goals.
2. Solicitation for new programs by third parties has not taken place yet, so the number and type of programs are unknown.
3. Implementation Plans associated with new programs are not completed.
Implementation plans will determine final design of programs with detailed staffing needs.

See SCE's Response to Request I.B. and Appendix C for SCE's EE FTEs by functional group.

4. Non-Program Functions Performed by Contractors

Currently, contractors (e.g., advisory consultants) perform the functions listed below. However, none of the following functions are fully "outsourced" to contractors; rather, contractors supplement SCE employees in performing such functions.

1. Strategic planning support
2. Program and portfolio support
3. Regulatory support and other support, as necessary
4. Policy support
5. Project management support
6. Program planning and support
7. DSM program development and end-use analysis

8. Analysis of DSM valuation metrics, including relevant administrative, rebate cost, and per unit costs benchmarks
9. Engineering support or other technical services
10. Evaluation of major cost drivers to existing portfolio and an assessment of opportunities for modification
11. Identification of process efficiencies in existing operations, focusing on CP&S and CSOD, coordinating with ongoing CSOD work

SCE anticipates that in 2019 and 2010 contractors (e.g., advisory consultants) will perform functions similar to what they perform currently (described above), although functions associated with program planning will likely be utilized to a lesser extent as more programs are proposed, designed, and implemented by third parties.

5. Anticipated Cost Drivers of In-House Cost Changes by Organization

The primary drivers of administrative and implementation costs for programs are the number and type of programs offered. SCE currently offers and reports on over 80 programs in its EE portfolio. Each program requires a certain level of staffing based on the program delivery method. For example, an upstream lighting program that targets large manufacturers will have minimal administrative and implementation costs. However, a downstream lighting program that targets many customers that require a high level of interaction between program staff, engineers, vendors and other program administrators will have high administrative and implementation costs. Other more complex or mass market programs will require sales and marketing support.

SCE incorporated significant efficiencies in its portfolio over the last two years. Future efficiencies are expected to be based on experience with new and innovative programs offered by third parties in the marketplace. Additionally, SCE anticipates that the new Statewide Administration of EE programs may yield additional efficiencies; however because the new Statewide Administration model has not yet been fully developed, SCE does not yet know exactly how administrative costs for these programs

will be affected. Also, SCE will be transitioning as much of its portfolio as possible to third parties to achieve the requirement that at least 60 percent of the portfolio be designed and delivered by third parties by the end of 2020. Without knowing what specific programs and delivery channels third parties will propose and SCE will ultimately select, it is difficult to forecast exactly how administrative and implementation costs will vary over time. SCE is also aware there are significant cost impacts in the marketplace that could place upward pressure on costs. For example, increasing review costs and declining measures have made it harder for vendors to deliver results. For these reasons, SCE assumed that its existing level of administrative and implementation efficiencies will persist over the forecast period. The anticipated major cost drivers of in-house cost changes are:

1. Number and type of programs funded
2. New 2018 revised savings goal based on the update to the Potential and Goals Study
3. Cost for new programs launched through Third-Party Solicitation process
4. Cost to administer Statewide programs
5. Legislative mandates that require new or increased funding to implement.
6. Number of data request or need for additional reporting requirements

6. Explanation of Method for Forecasting Costs

To arrive at the 2018-2025 budget forecasts, SCE adjusted its 2017 proposed budget and savings to reflect the increase or decrease in savings goals assigned by the Commission in D.15-10-028 and to incorporate the updated avoided costs. This was accomplished by using data, by sector, from the 2015 Potential and Goals Study to evaluate a sector's savings potential and adjusting the sector's corresponding budget needed to accomplish the projected savings values. Cost-effectiveness (Total Resource Cost (TRC) and Program Administrator Cost (PAC)) for 2018-2020 was calculated using the Cost Effectiveness Tool by modifying the inputs to reflect portfolio measure

optimization and the anticipated impact of new third-party designed and implemented programs. SCE's budget also includes the budget and estimated savings for the Southern California Regional Energy Network (SoCalREN).

For its 2017 budget, which is the baseline for the 2018-2025 budget, SCE optimized its demand-side management portfolio resulting in a 2017 proposed budget that is approximately \$22 million less than SCE's 2016 budget. The portfolio optimization process included activities such as: internal organizational and process changes to improve efficiency, simplifying and consolidating programs, eliminating or reducing non-cost-effective programs, adjusting incentive levels based on analytics, incorporating alternative incentives besides rebates (e.g. on-bill financing).

B. “Full-Time Equivalents” (FTEs) by Organization

In Request I.B., TURN/ORA ask for SCE's FTEs by organization for 2016 or 2017 recorded, and “at least” 2018. SCE's FTEs supporting its EE portfolio is provided in Appendix C.

C. Costs by Functional Area of Management Structure

In Request I.C., TURN/ORA ask for expenses broken out by functional area of management structure. See Appendix D for the requested information.

D. Cost Drivers Across the EE Organization

In Request I.D., TURN/ORA ask for cost drivers across SCE's EE organization. Please see the discussion in Section A.5. above for the requested information.

E. Allocation of Labor and O&M Costs

All EE-related time for employee working on EE is tracked through internal orders or distributed cost centers (EE cost objects) that settle costs to internal orders, which are assigned to an account grouping for EE. The portion of an employee's time is allocated to those orders, and therefore “EE rates” (Public Purpose Programs), based on the time spent by the employee working on tasks related to the EE portfolio of programs. All time sheets for hourly employees and some salaried employees are approved by the employee's manager. For other salaried

employees, their time is allocated to EE cost objects on a pre-established basis determined by their manager based on the expected time to be spent on tasks related to EE for the year. These allocations are reviewed periodically and when employee's positions and responsibilities change. SCE's SAP system allows for timekeeping increments of 15 minutes. Time sheets and pre-established accounting for EE-related tasks described above is the basis for determining the appropriate EE and non-EE labor costs.

SCE labor costs charged against EE rates include paid time off but are not loaded with benefits. SCE's benefits burden is collected through GRC rates. However, SCE does include the benefits burden in its filings to be included for determining cost-effectiveness. They are currently reported and filed in the CPUC CEDARS system as a separate program.

Non-labor resource costs are allocated to EE and non-EE activity similarly to labor costs, by time for tasks completed. Non-labor resources such as events, conferences or marketing campaigns may be allocated based on the agenda or topics covered. These costs may include activities that are supported through GRC or other rates.

In all cases, all costs related to EE rates are recorded separately from those related to GRC rates and not included in determining the forecasts for the GRC.

III.

BUDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING MEMO AND RULING OF COMMISSIONER AND ADMINISTRATIVE LAW JUDGE

The Scoping Memo and Ruling of Assigned Commissioner and Administrative Law Judges³ (Scoping Memo) requested certain information regarding SCE's proposed budgets (Attachment A). As such, SCE provides the information identified below:

³ See Scoping Memo and Ruling of Assigned Commissioner and Administrative Law Judges, Application for Approval of Energy Efficiency Rolling Portfolio Business Plan, A.17-01-013 et al, April 14, 2017.

A. Energy Savings Targets and Expenditures

In Question I.C.8., the Assigned Commissioner and Administrative Law Judges (ALJs) requested “[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.” SCE has provided the requested information in Appendix E of this response.

B. In-House Budget by Sector and Cross-Cutting Program

In Question I.C.9., the Assigned Commissioner and ALJs requested of the Scoping Memo, the Assigned Commissioner and ALJs requested the following: “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.” SCE has provided the requested information in Appendix F of this response.

C. Solicitation Schedule

In Question I.C.10., the Assigned Commissioner and ALJs requested “[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). SCE has provided this requested information in Appendix G of this response.

Consistent with the Commission's direction, statewide program budgets will be determined by the funding PAs based on the savings potential in their respective service territories, Commission-approved goals, historical budgets, and their influence on overall portfolio cost-effectiveness. For existing statewide programs, the funding PAs will also use their

historic program budget levels to conduct statewide program solicitations. For new statewide programs, the budget will be determined based on each PA's overall portfolio cost-effectiveness analysis and the Commission-approved goals. These budgets will be adjusted and finalized by each PA, based on the results of the solicitations, to arrive at the annual statewide program budgets. Consistent with the Rolling Portfolio approach, the statewide program budgets may change over the life of the Business Plan.

Any budget updates will be presented in the annual budget advice letter.

D. Statewide Aggregate Budgets for Each Statewide Program

In Question I.C.14., the Assigned Commissioner and ALJs requested "What are the statewide aggregate budgets for each statewide program?" See Appendix H for the requested information.

IV.

CONCLUSION

SCE appreciates the opportunity to provide its supplemental budget and related information.

Respectfully submitted,

FADIA RAFEEDIE KHOURY
JANE LEE COLE

/s/ Jane Lee Cole

By: Jane Lee Cole

Attorneys for
SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770
Telephone: (626) 302-3860
Facsimile: (626) 302-6693
E-mail: Jane.Lee.Cole@sce.com

June 12, 2017

Appendix A

Standardized Template for the Program Administrators' Proposed Budgets

A.17-01-013 et al.
Meet and Confer Process: Supplemental Budget Showing

Proposal by TURN and ORA
May 2, 2017

I. DESCRIPTION OF IN-HOUSE EE ORGANIZATIONAL STRUCTURE & ASSOCIATED COSTS

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 "Full Time Equivalent" 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.
 - Note, if PAs' FTE needs change, these changes can be made without reporting or seeking CPUC approval

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Meet and Confer Process: Supplemental Budget Showing

TABLE 6-3(a)
EP HEADCOUNT
NUMBER OF PLANNED POSITIONS

Line No.	Description	2014 Positions	2015 Forecast	2016 Forecast	2017 Forecast
1	EP Administrative Office	4	4	4	4
2	Energy Supply Management (ESM)	126	131	131	134
3	Renewable Energy (RE)	38	40	40	41
4	Energy Policy, Planning and Analysis (EPPA)	46	46	46	46
5	Value Based Reliability (VBR)	10	12	12	12
6	Energy Contract Management and Settlements (ECMS)	79	80	80	80
7	Energy Compliance and Reporting (ECR)	18	18	18	18
8	Total	321	331	331	335

(a) See WP Table 6-7, Exhibit (PG&E-5).

C. Table showing costs by functional area of management structure

- Expenses broken out into labor, non-labor O&M (with contract labor identified) (* Note, in case of conflict, excel budget template will control.)
- Identify any capital costs

D. Table showing cost drivers across the EE organization

- TURN and ORA like this example, taken from testimony PG&E's 2017 GRC addressing its Energy Procurement department.
- While this example pertains to departmental cost increases, in our case, cost increases or decreases would be attributed to major cost drivers.

TABLE 6-2(a)
EP COST INCREASE
2015-2017 EXPENSE BY COST DRIVER

Line No.	Description	Increase in Thousands of \$	Percent of Total Increase
1	Escalation	3,597	57
2	Portfolio Complexity	1,136	18
3	Regulatory Mandates	1,192	19
4	Process Improvements	400	6
5	Total	6,324	100

(a) See WP Table 6-6, Exhibit (PG&E-5).

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Meet and Confer Process: Supplemental Budget Showing

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

- When an employee spends less than 100% of her/his time on EE, how are costs tracked and recovered (e.g., on a pro rata basis between EE rates and GRC rates; when time exceeds a certain threshold, all to EE; etc.).
- Describe the method used to determine the proportion charged to EE balancing accounts for all employees who also do non-EE work.
- Identify the EE functions that are most likely to be performed by employees who also do non-EE work (e.g. Customer Account Representatives?)
- Are labor costs charged to EE fully loaded?
- How are burden benefit-related administrative and general (A&G) expenses for employees who work on EE programs recovered (EE rates or GRC rates)?
**PG&E allocates these costs to EE pursuant to a settlement agreement with MCE and TURN, which was adopted in D.14-08-032.
- When EE and non-EE activities are supported by the same non-labor resources, how are the costs of those resources or systems allocated to EE and non-EE activities?
- Identify the EE O&M costs that are most likely to be spread to non-EE functions as well as EE, if any

A.17-01-013 et al.
Meet and Confer Process: Supplemental Budget Showing

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.”

- 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.

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.

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).”

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

	2016 EE Portfolio Expenditures (\$Million)				2018 EE Portfolio Budget (\$Million)				2016 EE Portfolio Savings			2018 EE Portfolio Forecasted Savings		
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MTHERMS	KWH	KW	MTHERMS
Residential														
Commercial														
Agricultural														
Industrial														
Public (GP)														
Cross Cutting*														
Total Sector Budget														
EM&V-PA														
EM&V-ED														
OBF - Loan Pool**														
BayREN														
MCE														
EE Total														

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

** 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. ¶

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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	
		Deemed workpapers	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
		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	

Functional Group	2016 EE Portfolio FTE	2018 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance		
Program Management		
Engineering Services		
Customer Application/Rebate/Incentive Processing		
Customer Project Inspections		
Portfolio Analytics		
EM&V		
ME&O		
Account Management / Sales		
IT		
Call Center		
Total		

||
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	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Residential	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 Implementers Contracts		
		Local/Government Partnerships Contracts (3)		
		Other Contracts		
		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		
		Facilities		
		Incentives--Core Programs		
		Incentives--Third Party Program		
	Non-Labor Total			
Residential Total				
	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 (state current applicable decision)

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

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

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- → 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.¶

Appendix B

Supporting Information – Request I.A.

SCE Energy Efficiency Organization Charts

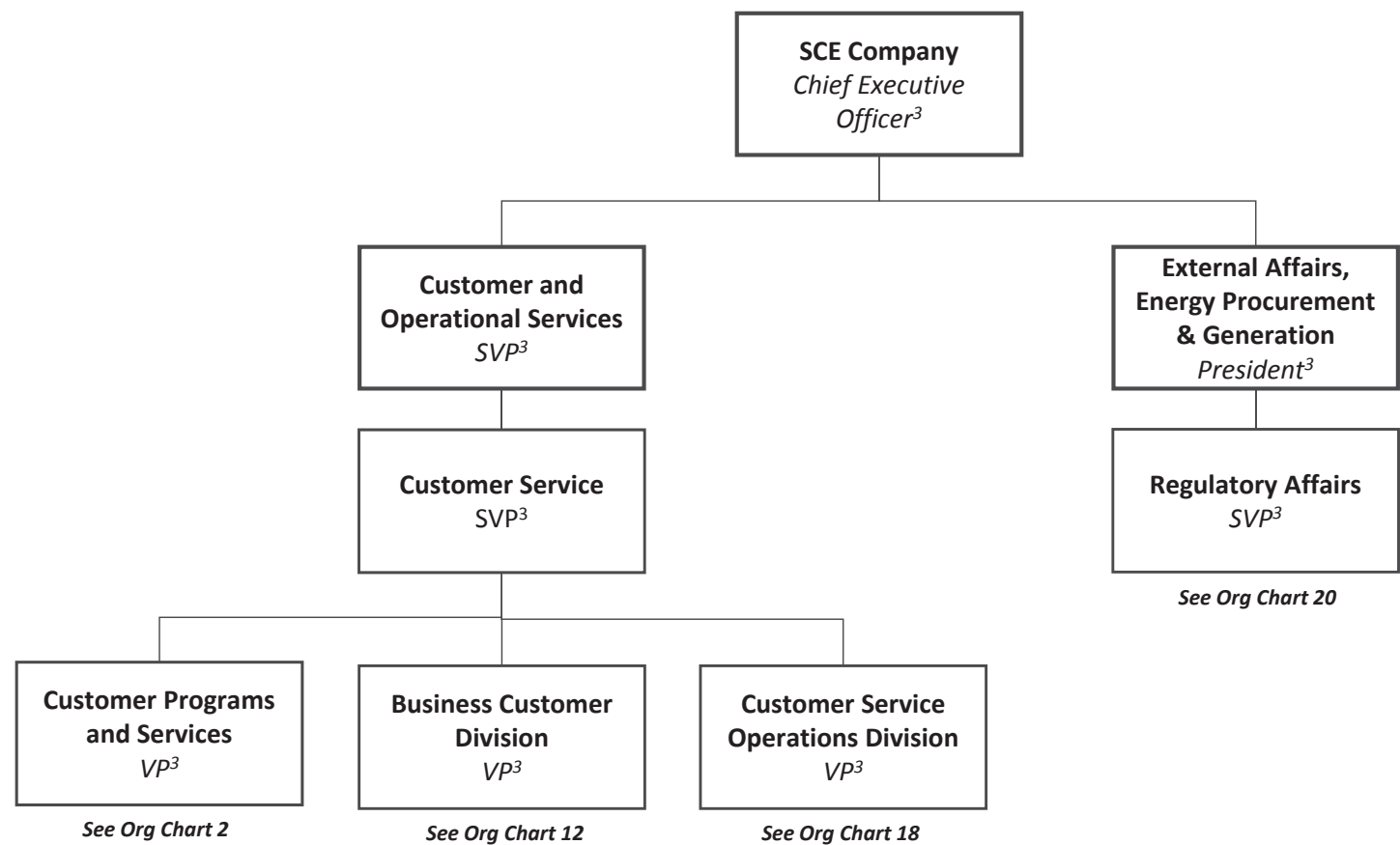
Supplemental Information Provided In Support of Application 17-01-013

Org Chart #	Organization Chart Description
1	Southern California Edison Company
2	Customer Programs and Services
3	Customer Programs and Services – DSM Program Management
4	Customer Programs and Services – DSM Program Management – Business DSM Programs
5	Customer Programs and Services – DSM Program Management – Residential DSM Programs
6	Customer Programs and Services – DSM Program Management – Public Sector DSM Programs
7	Customer Programs and Services – DSM Program Management – Engineering Services
8	Customer Programs and Services – DSM Program Management – DSM Operational & Technical Support
9	Customer Programs and Services – Product Development and Division Management
10	Customer Programs and Services – Customer Engagement
11	Customer Programs and Services – Information Governance & Analytics, Measurement & Evaluation
12	Business Customer Division
13	Business Customer Division – Commercial and Industrial
14	Business Customer Division – Government, Institution, Agriculture, & Water
15	Business Customer Division – Energy Analysis & Customer Outreach
16	Business Customer Division – Strategic Customer Solutions
17	Business Customer Division – BCD Operations
18	Customer Service Operations Division
19	Customer Service Operations Division – Customer Contact Center
20	Regulatory Affairs

Southern California Edison Company

Organization Chart Headcount: 526^{1,2}

SCE EE Organization Chart 1
Supplemental Information Provided In
Support of Application 17-01-013



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE’s entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses “Organizational Chart Headcount” which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that “[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category”.

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from “Organization Chart Headcount”.

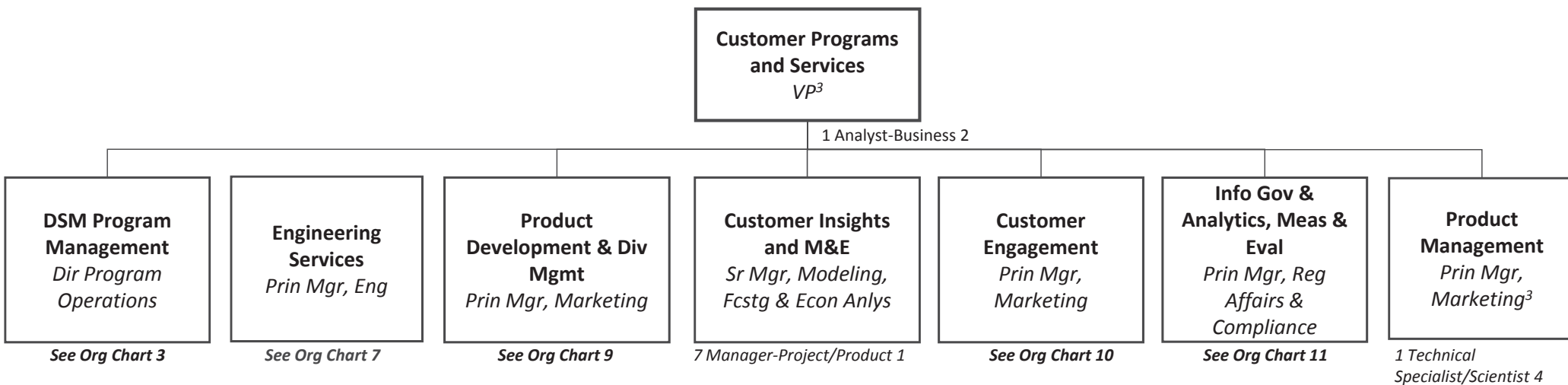
Customer Programs & Services

Summary Function Description: Manages the DSM Program Management, Business DSM Programs, Product Development and Division Management, Customer Insights and Measurement & Evaluation, Customer Engagement, and Information Governance & Analytics, Measurement and Evaluation groups.

Organization Chart Headcount: 227^{1,2}

SCE EE Organization Chart 2

Supplemental Information Provided In
Support of Application 17-01-013



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORAs Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORA in data request ORA-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORA-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Customer Programs & Services

DSM Program Management

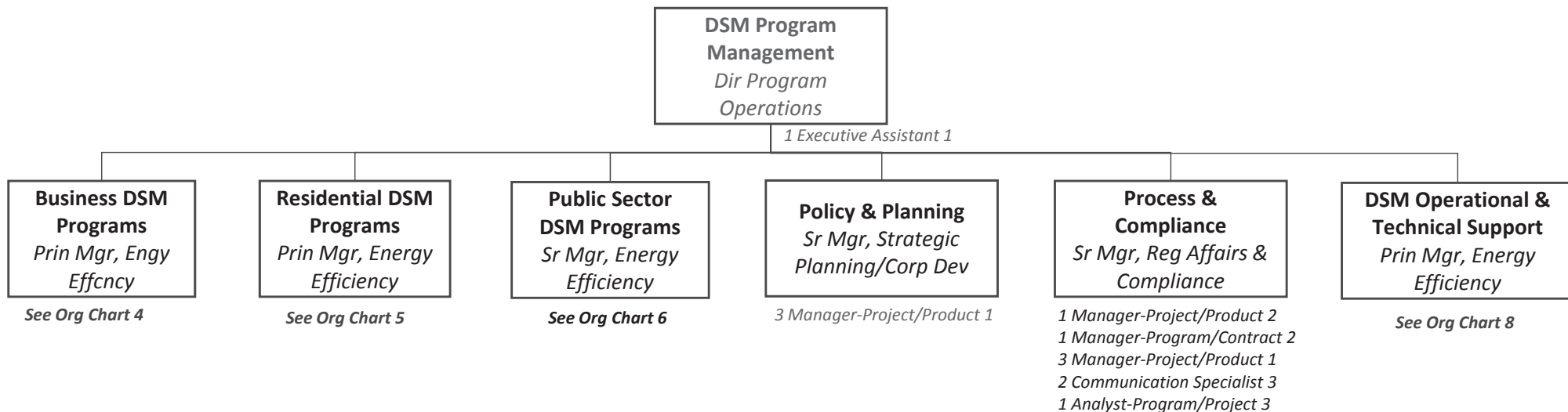
SCE EE Organization Chart 3
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Provides DSM program management, including program planning, design, implementation, compliance, reporting and technical operations/support.

Organization Chart Headcount: 116^{1,2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

Business DSM Programs

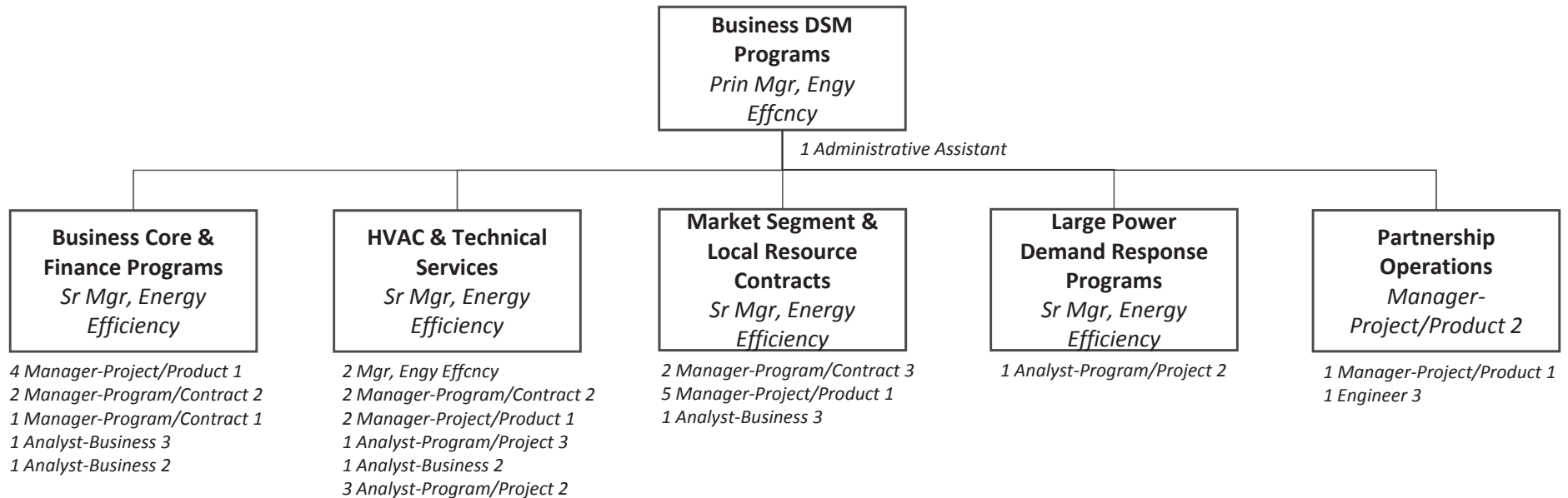
SCE EE Organization Chart 4
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Manages and operates SCE's business EE programs, including SCE's Core and Finance Programs, HVAC & Technical Services, and Market Segment & Local Resource Contracts.

Organization Chart Headcount: 38^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

Residential DSM Programs

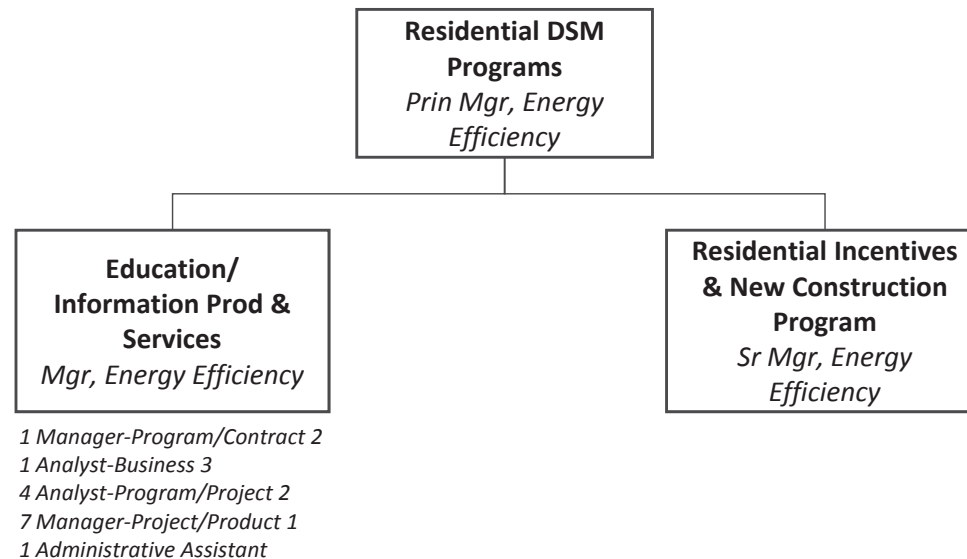
SCE EE Organization Chart 5
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Manages Education and Information Products & Services and Residential Incentives & New Construction programs

Organization Chart Headcount: 17



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Customer Programs & Services

Public Sector DSM Programs

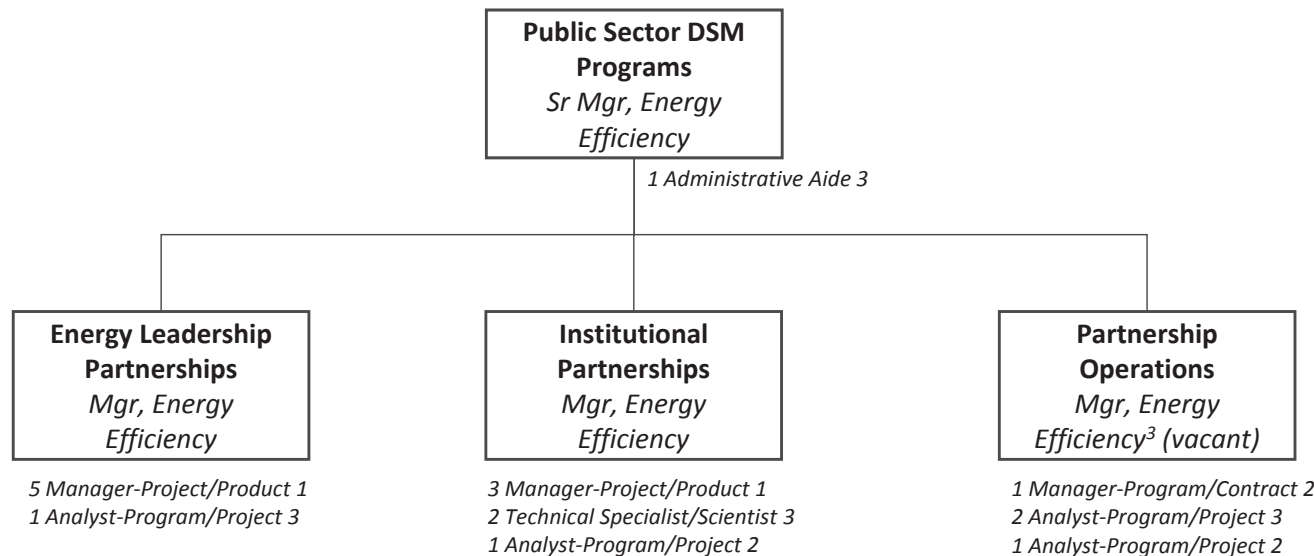
SCE EE Organization Chart 6
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Manages and operates SCE's energy leadership and institutional partnership programs.

Organization Chart Headcount: 20^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

Engineering Services

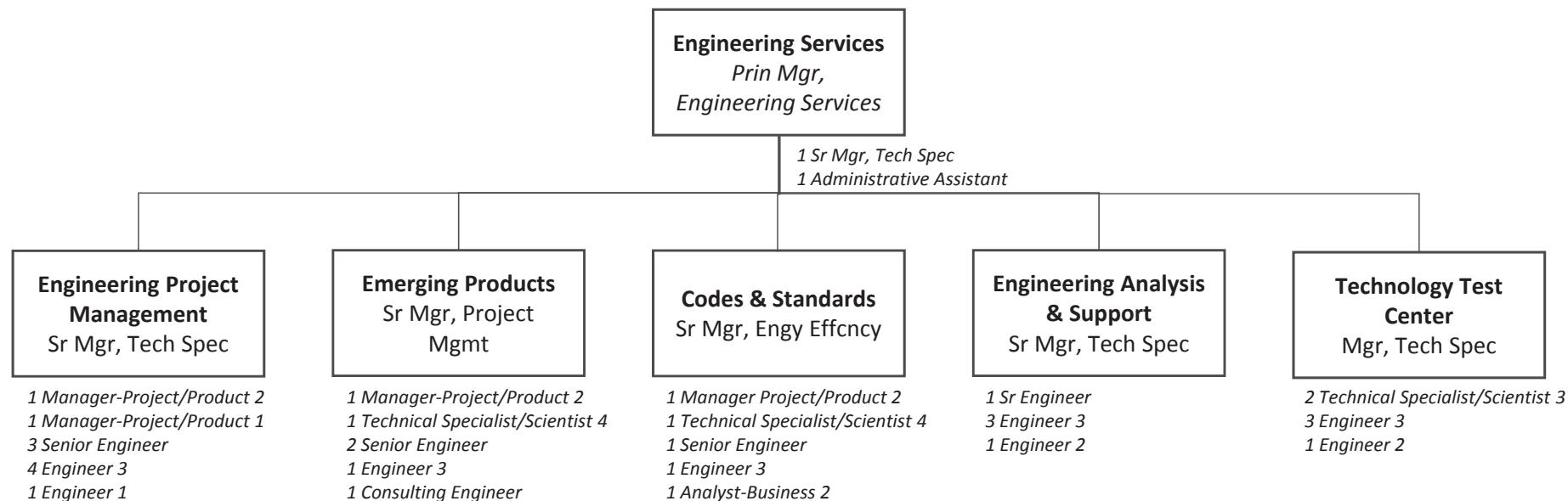
SCE EE Organization Chart 7
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Manages and operates SCE's business EE programs, including SCE's Core and Finance Programs, HVAC & Technical Services, and Market Segment & Local Resource Contracts.

Organization Chart Headcount: 40^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORA Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORA in data request ORA-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORA-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

DSM Operational & Technical Support

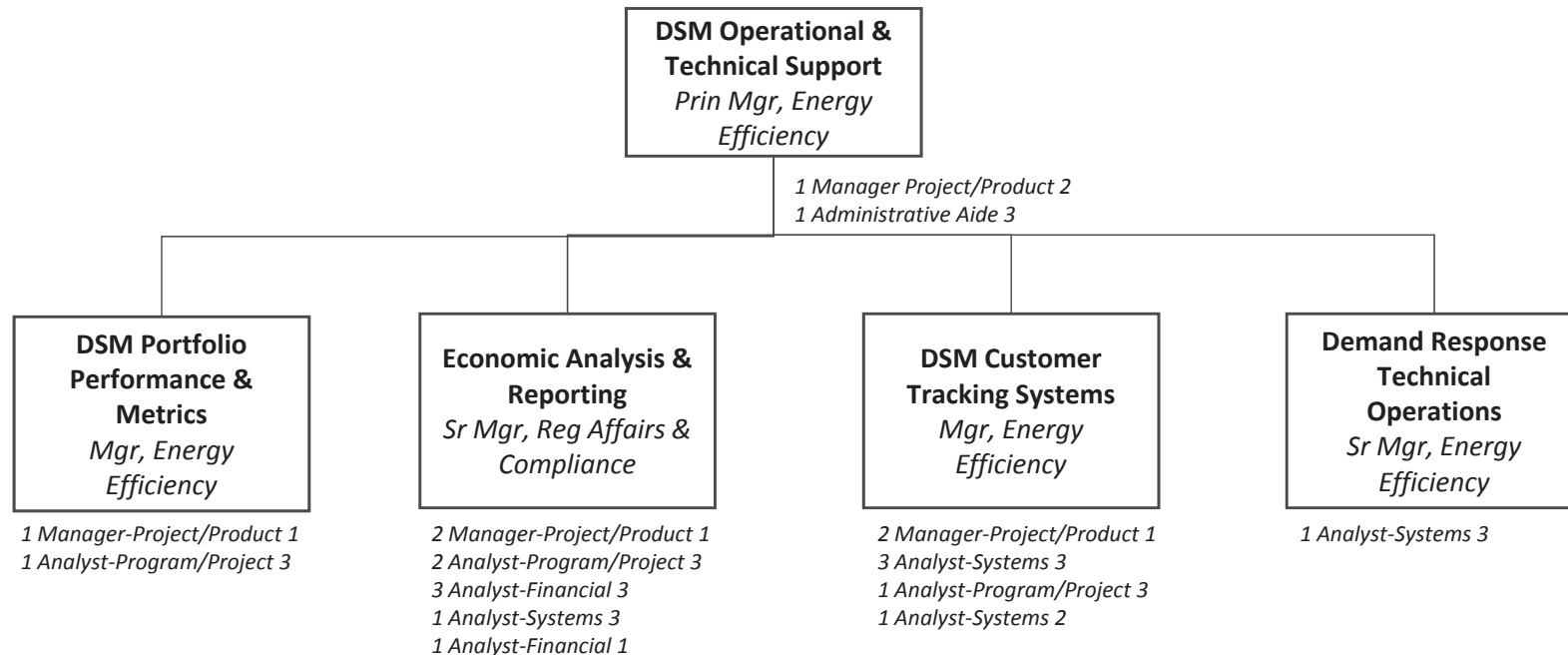
SCE EE Organization Chart 8
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management and Delivery

Detailed Definition: 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

Summary Function Description: Manages DSM portfolio performance and metrics, performs economic analyses and reporting, and operates DSM customer tracking systems

Organization Chart Headcount: 26



Customer Programs & Services

Product Development and Division Management

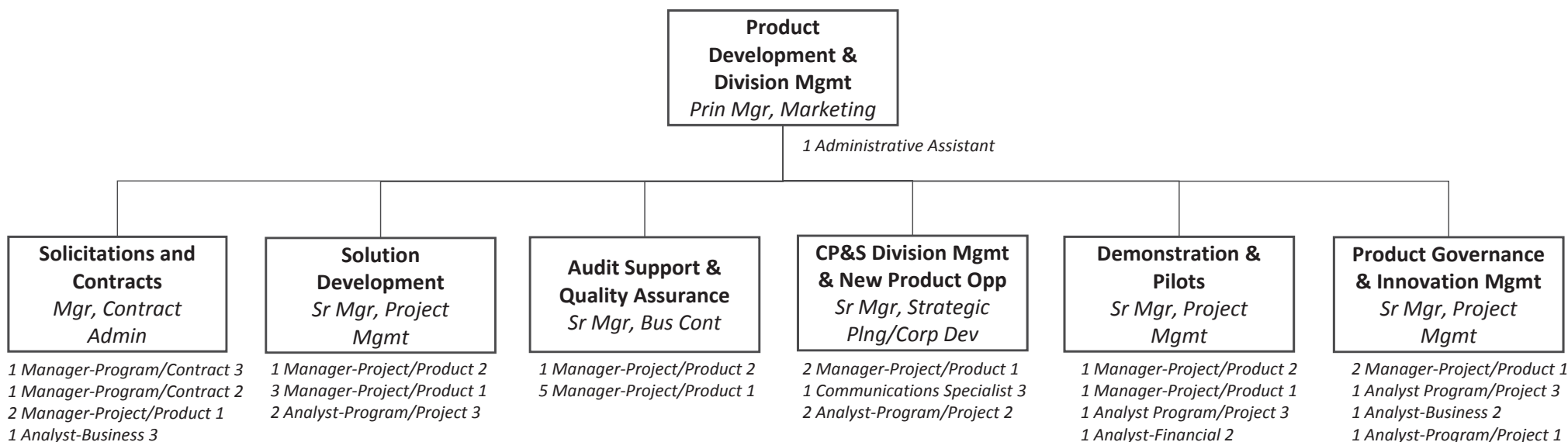
SCE EE Organization Chart 9
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Product Management

Detailed Definition: 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

Summary Function Description: Manages EE, DR, DG, and non-DSM product development, including solicitations and contracts, solutions development, new product opportunities, demonstration & pilots, and product governance & innovation management.

Organization Chart Headcount: 39^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORa Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORa in data request ORa-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORa-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

Customer Engagement

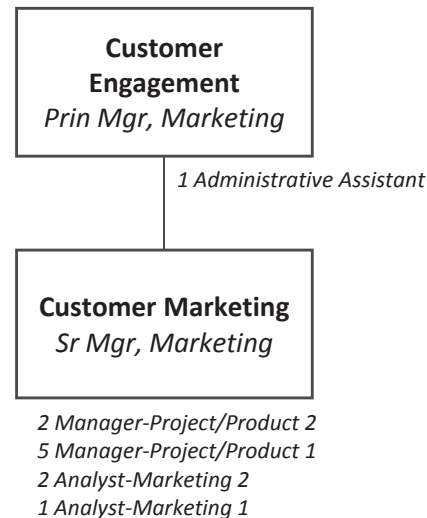
SCE EE Organization Chart 10
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Marketing

Detailed Definition: Customer Programs, Products, and Services Marketing; Digital Product Development; Digital Content & Optimization

Summary Function Description: Engages customers with information related to EE programs using a mix of delivery channels and marketing communication campaigns.

Organization Chart Headcount: 13^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Customer Programs & Services

Information Governance & Analytics, Measurement & Evaluation

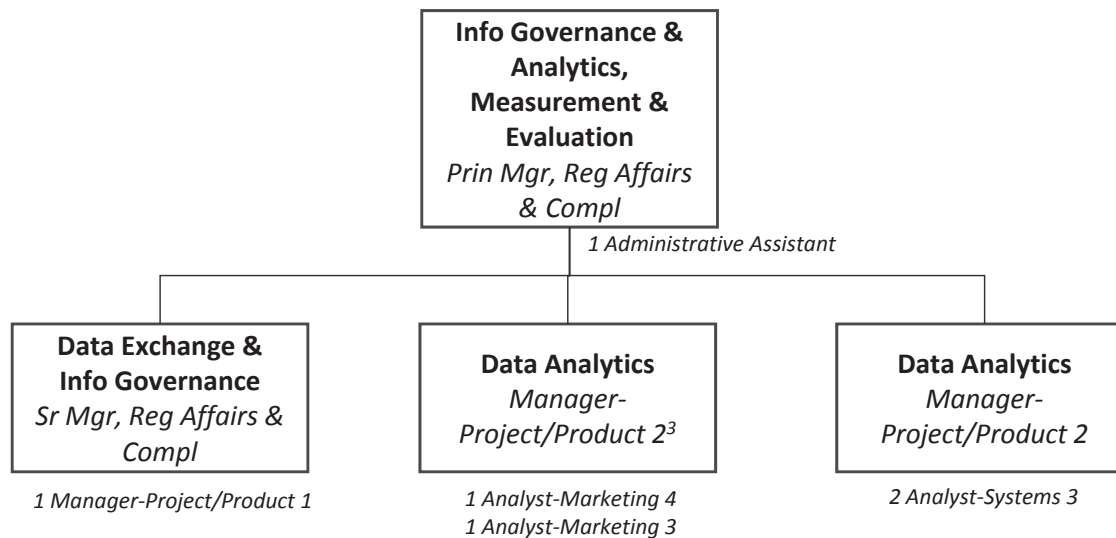
SCE EE Organization Chart 11
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Data Analytics

Detailed Definition: 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

Summary Function Description: Manages information governance, analytics, measurement and evaluation.

Organization Chart Headcount: 9^{1,2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

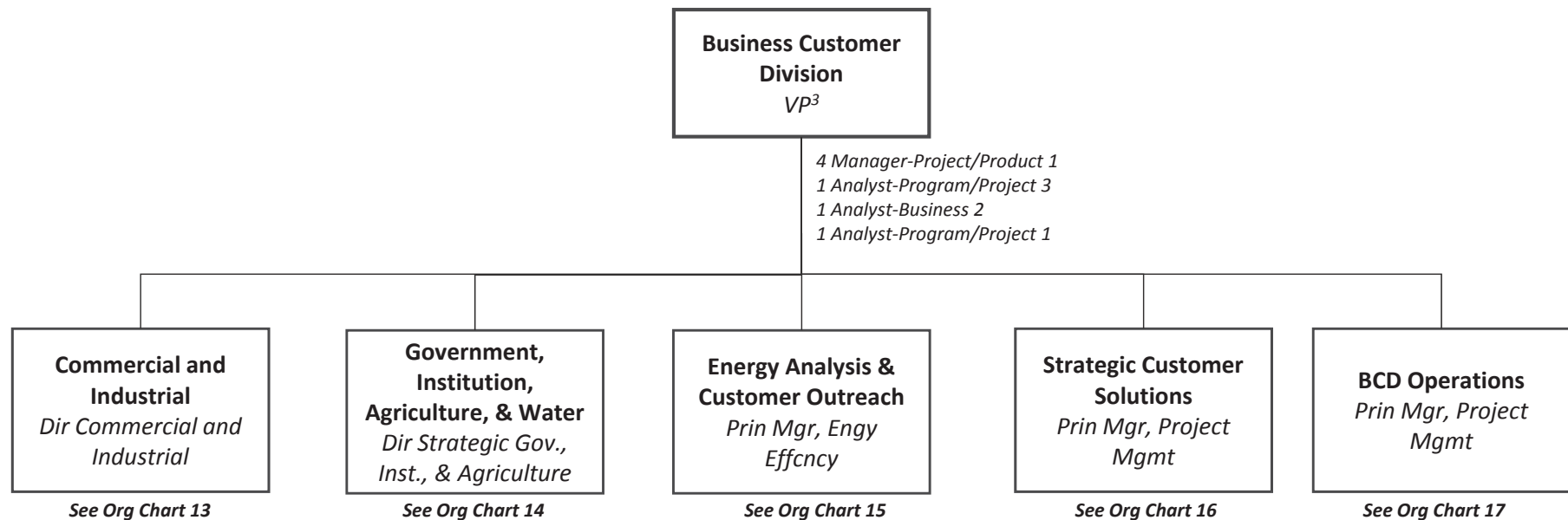
Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Business Customer Division

Summary Function Description: Provides account management and other support to SCE's business customers, meeting their needs by leveraging strategic relationships to safely delivery quality programs, provide exceptional customer engagement and enhance business value.

Organization Chart Headcount: 204^{1,2}

SCE EE Organization Chart 12
Supplemental Information Provided In
Support of Application 17-01-013



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORAs Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORA in data request ORA-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORA-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Business Customer Division

Commercial and Industrial

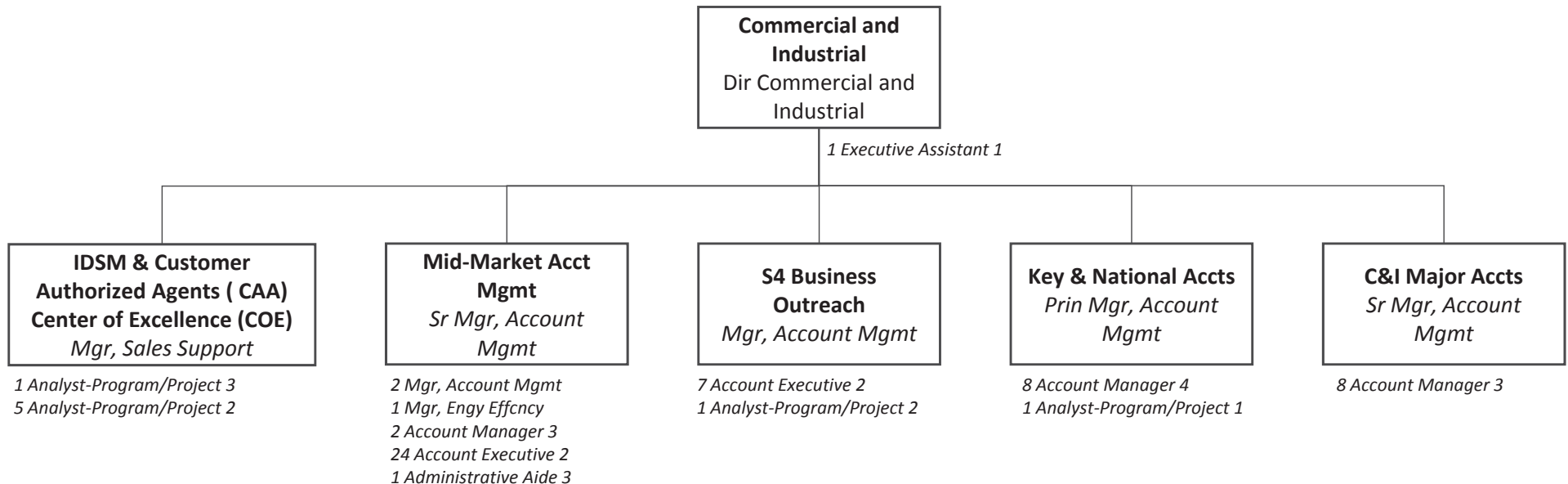
SCE EE Organization Chart 13
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Account Management

Detailed Definition: Represents the Company by delivering consultative sales and marketing of electric energy, services, and products to ensure the attainment of revenue goals. Consults with customers to assess their business needs and requirements, and identifies value added Company products, services, and/or innovative solutions to address their needs.

Summary Function Description: Provides client account management support to commercial and industrial (C&I) customers, including engaging with customers by serving as their Trusted Energy Advisors and advocate. The C&I segment assists this diverse group of customers with energy efficiency, demand response, and distributed energy resource offerings, while also providing value through a variety of customer care issues.

Organization Chart Headcount: 68^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Business Customer Division

Government, Institution, Agriculture, & Water

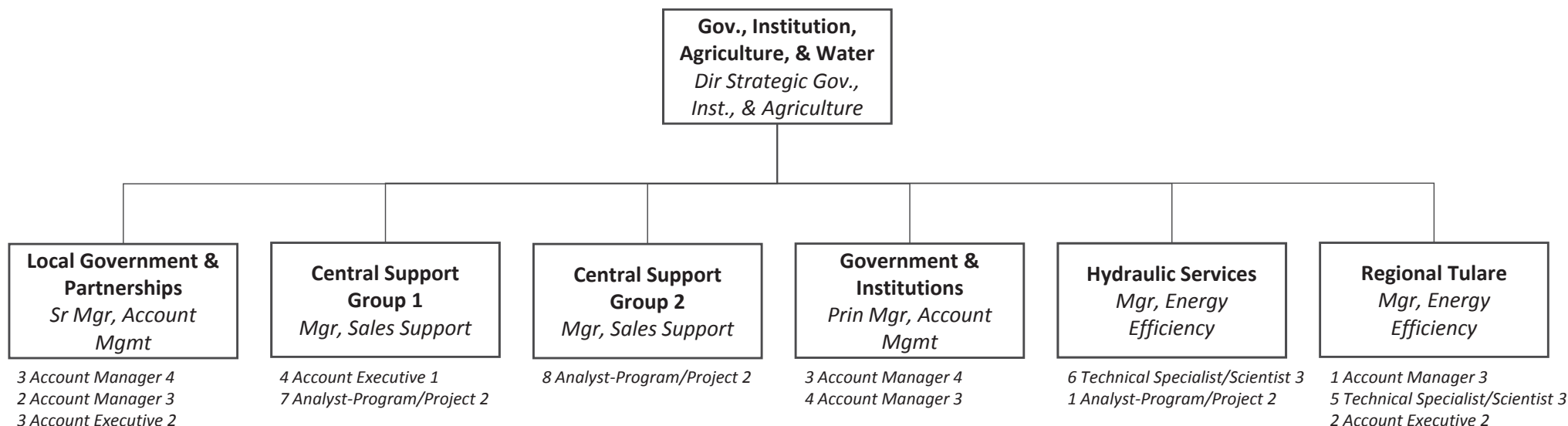
SCE EE Organization Chart 14
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Account Management

Detailed Definition: Represents the Company by delivering consultative sales and marketing of electric energy, services, and products to ensure the attainment of revenue goals. Consults with customers to assess their business needs and requirements, and identifies value added Company products, services, and/or innovative solutions to address their needs.

Summary Function Description: Provides client account management support to government, institutions, agriculture and water (GIA&W) customers, including delivering cost effective and creative customer solutions to exceed expectations for delivering programs and customer care. The GIA&W segment assists this diverse, complex, and political customer base with emerging issues and technologies.

Organization Chart Headcount: 56.²



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Business Customer Division

Energy Analysis & Customer Outreach

SCE EE Organization Chart 15

Supplemental Information Provided In

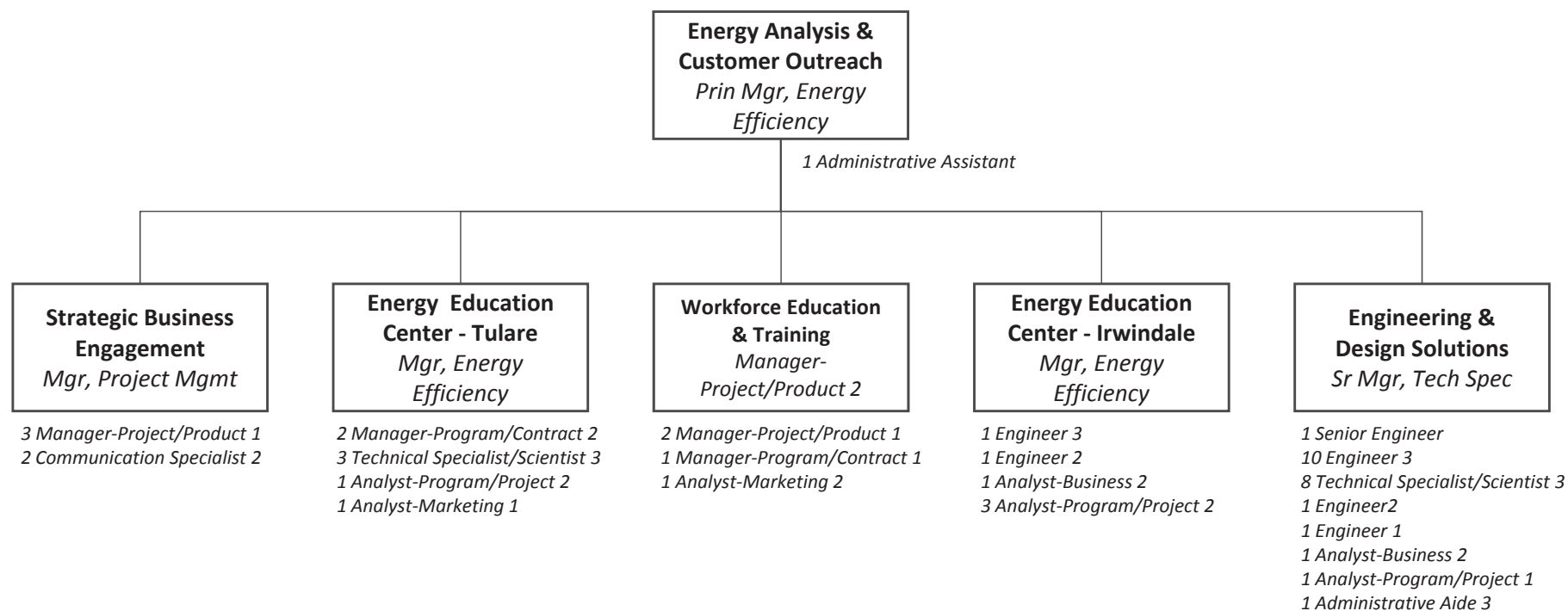
Support of Application 17-01-013

Functional Category: Marketing

Detailed Definition: Customer Programs, Products, and Services Marketing; Digital Product Development; Digital Content & Optimization

Summary Function Description: Energy Analysis and Customer Outreach (EA&CO) provides cutting-edge solutions to help customers make energy-related decisions that save energy and money, while helping create a smarter, safer, and reliable energy future. Provides integrated demand-side management Engineering & Design Solutions; Workforce Education and Training through instruction of energy related workshops and seminars, and utilization of displays and tools offered through our Energy Education Centers; and Outreach through Strategic Business Engagement events.

Organization Chart Headcount: 53^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Business Customer Division

Strategic Customer Solutions

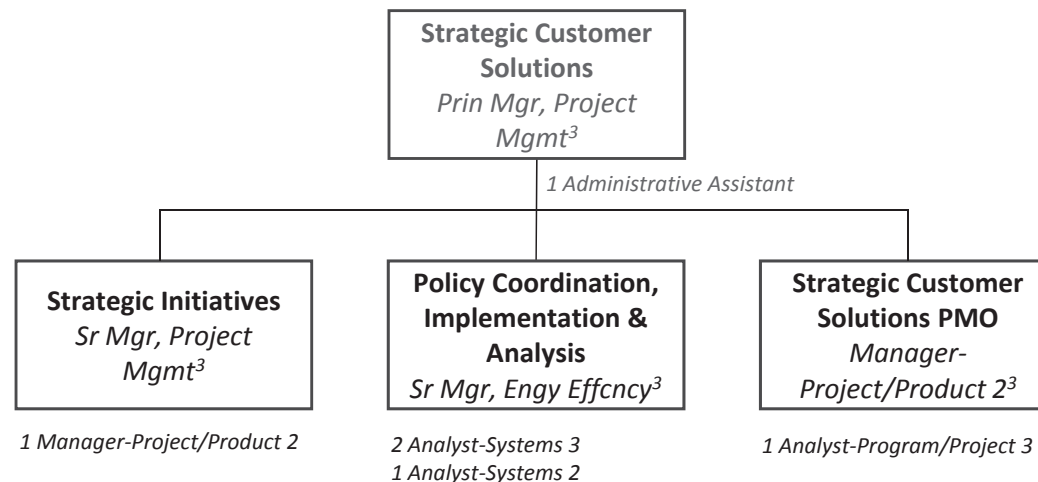
SCE EE Organization Chart 16
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Program Management & Delivery

Detailed Definition: 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

Summary Function Description: Provides strategic customer solutions, including partnering with customers to identify and implement innovative ideas to meet their energy needs, enable customer choice by developing innovative and simple solutions, influence policy, and identify new opportunities to help better manage the grid of the future.

Organization Chart Headcount: 6^{1,2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organizational Chart Headcount".

Business Customer Division

BCD Operations

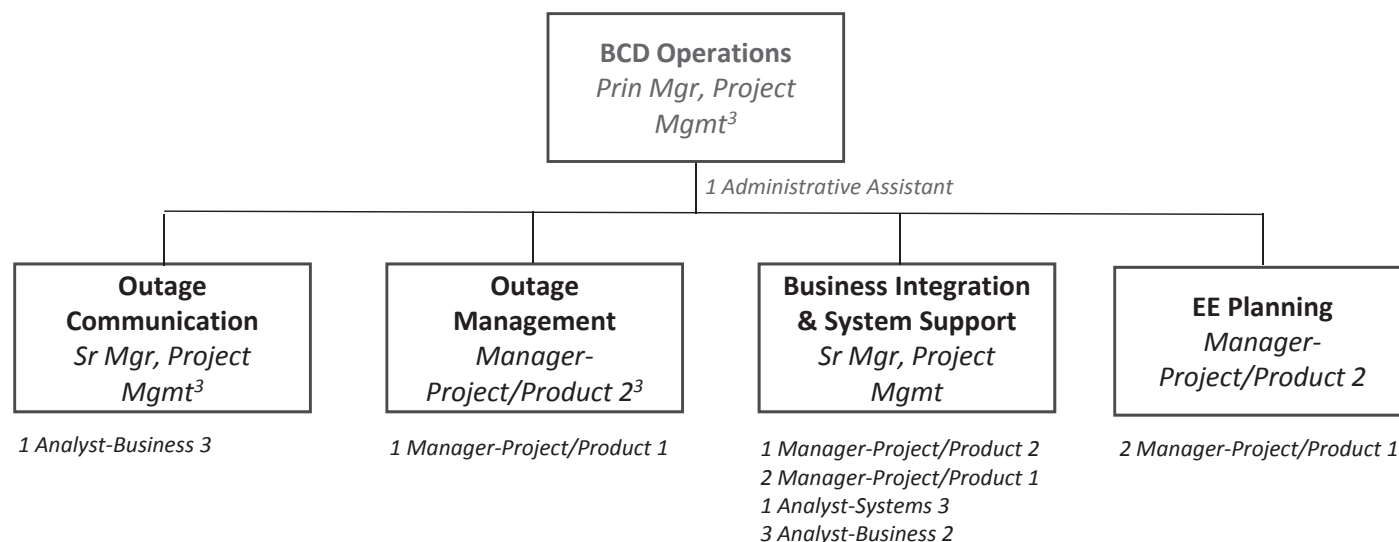
SCE EE Organization Chart 17
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Account Management

Detailed Definition: Represents the Company by delivering consultative sales and marketing of electric energy, services, and products to ensure the attainment of revenue goals. Consults with customers to assess their business needs and requirements, and identifies value added Company products, services, and/or innovative solutions to address their needs.

Summary Function Description: Partner with organizations within SCE to build and improve process and measures to positively impact service to customers in the specialties of outage management and communication, energy efficiency programs and tools, as well as data accuracy and business readiness. Provide experience and expertise in a wide variety of customer care services, project management, and Integrated Demand Side Management support and services.

Organization Chart Headcount: 14^{1,2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

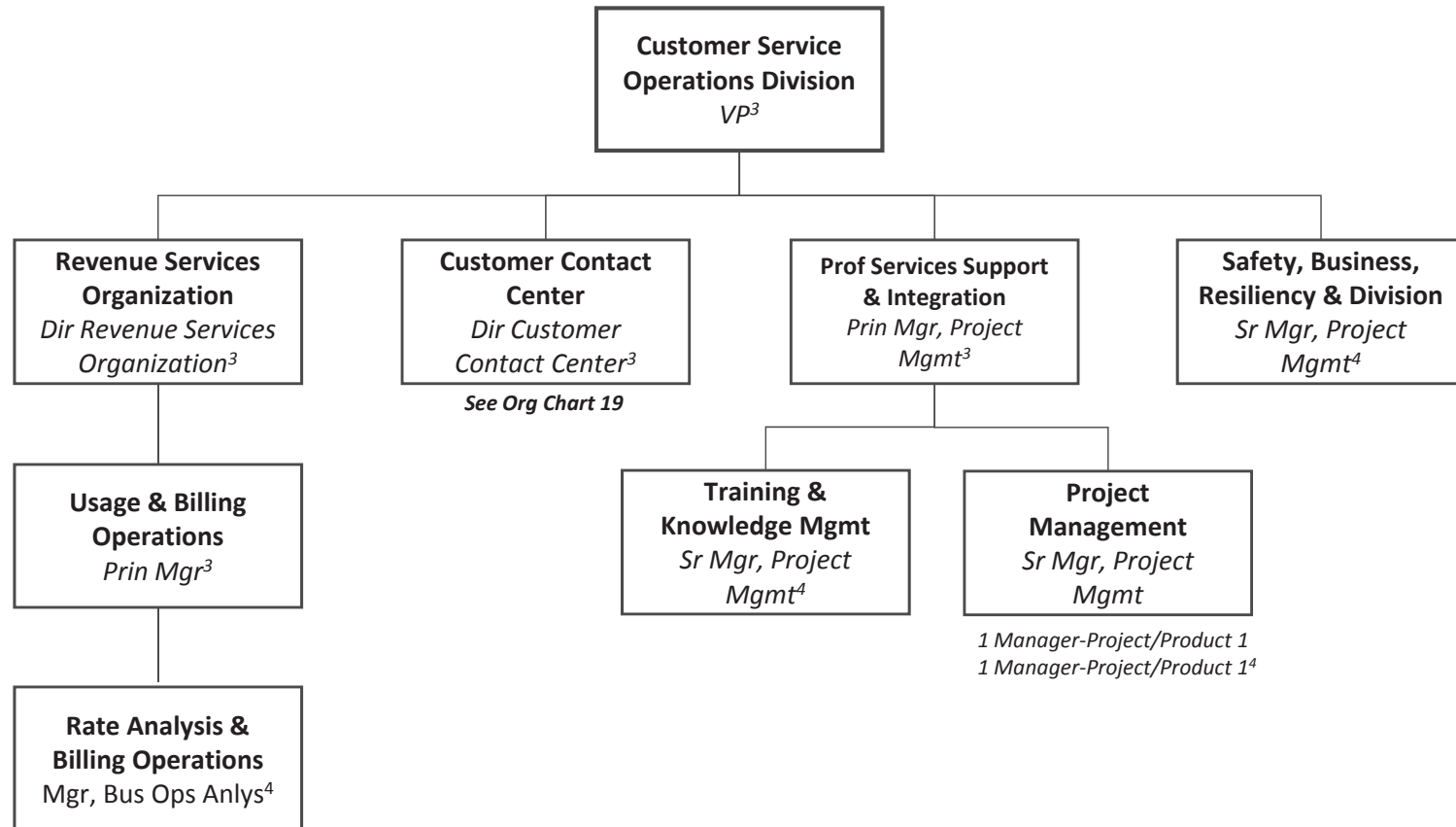
Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Customer Service Operations Division

SCE EE Organization Chart 18
Supplemental Information Provided In
Support of Application 17-01-013

Summary Function Description: This organization is responsible for executing the operational processes needed to satisfy Energy Efficiency (and other DSM) customers' inquiries and transactions. Functions include: inbound call support, application processing and inspections, training of EE frontline employees, and management of outsourced processing vendors.

Organization Chart Headcount: 85^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organization Chart Headcount".

Note 4: Individual charged Energy Efficiency Balancing Account through pre-established accounting. SCE is reviewing for appropriateness.

Customer Service Operations Division

Customer Contact Center

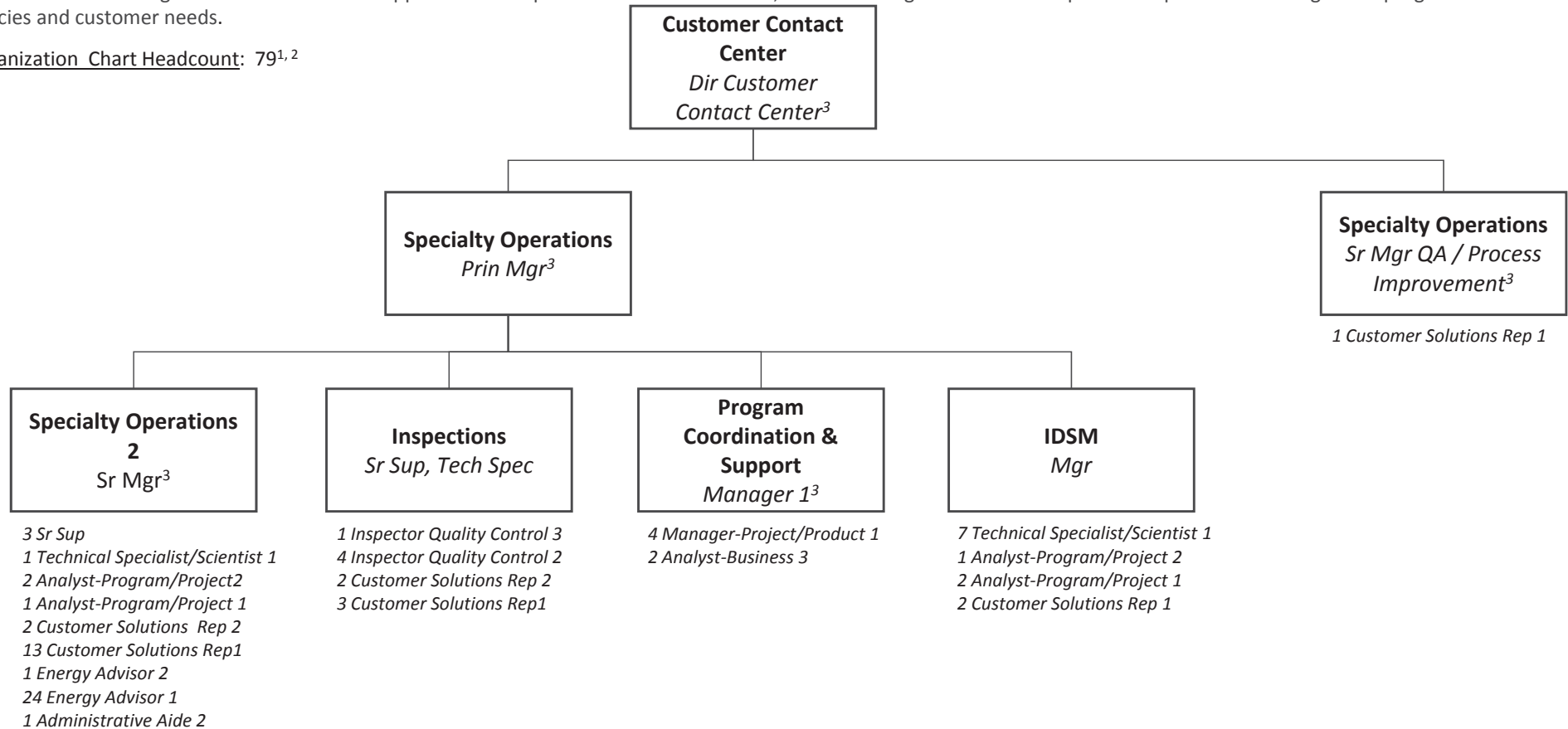
SCE EE Organization Chart 19
Supplemental Information Provided In
Support of Application 17-01-013

Functional Category: Call Center

Detailed Definition: Evaluates and resolves customer inquiries, issues, and problems, and ensures that appropriate action is taken to the satisfaction of the customer, Company, and/or CPUC in compliance with policies, procedures, tariff rules and rates. Designs, coordinates, implements, and manages programs designed to meet and/or address special needs.

Summary Function Description: Provides inbound and outbound call support for Energy Efficiency customers wishing to be informed of SCE's EE programs or resolve transaction issues. Organization also fulfills EE applications and performs field verifications, while ensuring the end to end operational processes are aligned to programs' policies and customer needs.

Organization Chart Headcount: 79^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORA Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORA in data request ORA-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORA-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

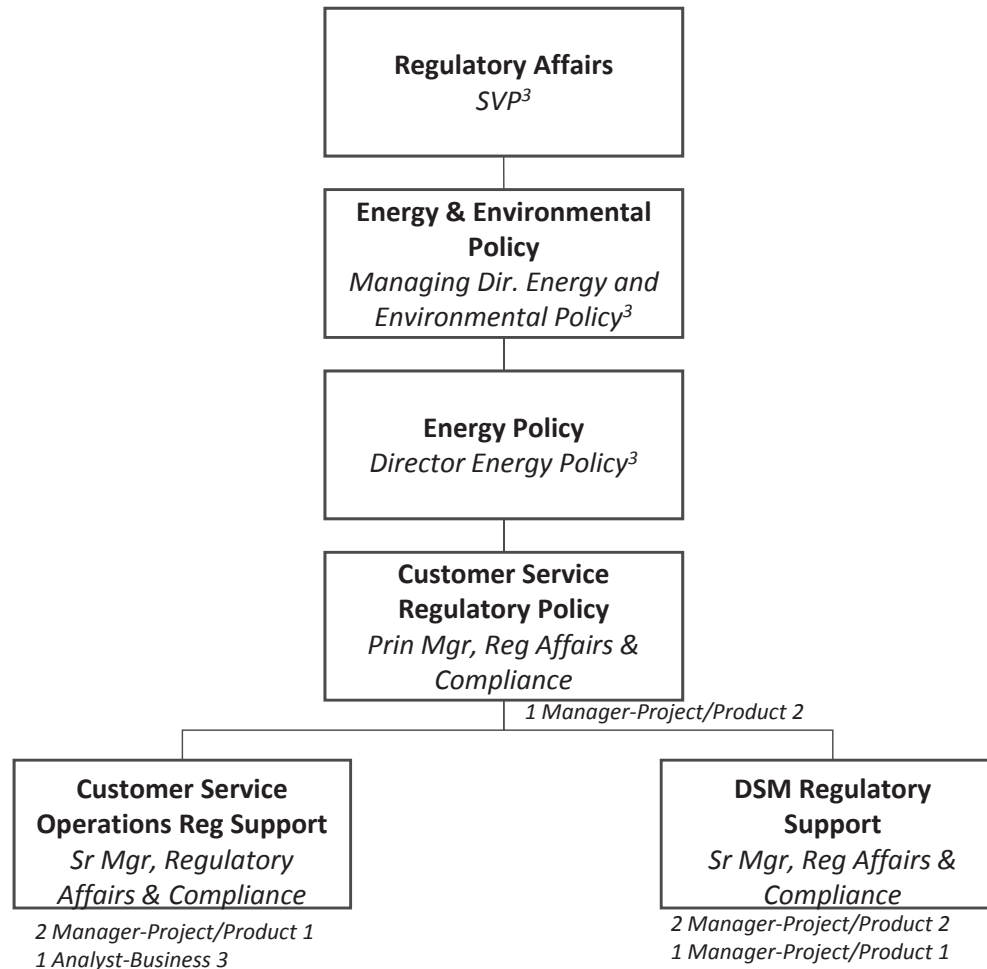
Regulatory Affairs

Functional Category: Company Regulatory Support

Detailed Definition: Case management for EE proceedings

Summary Function Description: Provides case management and other regulatory support for EE proceedings.

Organization Chart Headcount: 10^{1, 2}



Note 1: Data current as of first quarter 2017. Excludes contingent workers, vacancies, employees on leave of absence, interns, and service maintenance providers.

Note 2: SCE's entire response to TURN/ORR Supplemental Budget Showing includes three definitions involving employee counts: (1) Organization Chart Headcount, (2) Full-Time Equivalents (FTEs) and (3) headcounts as defined by ORR in data request ORR-A1701013-SCE003 (May 22, 2017). This organization chart uses "Organizational Chart Headcount" which includes any individuals that charged Energy Efficiency Balancing Account in first quarter 2017. FTEs are a unit of measure showing how many employees SCE has assuming all employees work a full-time schedule. Headcounts as defined by ORR-A1701013-SCE003 assume that "[I]ndividual[s] that charge to multiple functional categories should be counted once in each functional category".

Note 3: Individual did not charge Energy Efficiency Balancing Account and has been excluded from "Organizational Chart Headcount".

Appendix C

Supporting Information – Request I.B.

Energy Efficiency Full Time Equivalent Headcount by Functional Group

Functional Group	2016 EE Portfolio FTE (Annual)	2016 EE Portfolio Head Count [1]	2018 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance	29	41	28
Program Management	117	150	113
Engineering Services [3]	53	64	52
Customer Application/Rebate/Incentive Processing	40	59	39
Customer Project Inspections	11	12	11
Portfolio Analytics	8	13	7
EM&V	8	18	8
ME&O	8	24	8
Account Management / Sales	95	179	88
IT	8	10	8
Call Center	16	39	15
Total	392	609	377

Notes:

[1] Average head count for the month of January and December 2016

[2] Per ORA Data Request - Individual that charges to multiple functional categories should be counted once in each functional category

[3] Engineering staff also charged labor directly to program

[4] 2018 FTE amounts were determined using historical 2016/17 FTE amounts and adjusting based on estimated 2018 budget amounts.

[5] 2018 FTE amounts are forecast and may change based on number and types of programs to be funded is determined and will be finalized once the 2018 Budget Advice filing is submitted and approved.

Appendix D

Supporting Information – Request I.C.

Energy Efficiency Costs by Functional Group

Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 3.79	\$ 3.65
	Program Management	\$ 13.84	\$ 12.93
	Engineering services	\$ 5.50	\$ 5.18
	Customer Application/Rebate/Incentive Processing	\$ 2.89	\$ 2.84
	Customer Project Inspections	\$ 0.62	\$ 0.60
	Portfolio Analytics (6)	\$ 2.03	\$ 1.83
	ME&O (Local)	\$ 0.73	\$ 0.72
	Account Management / Sales	\$ 11.71	\$ 11.45
	IT	\$ 0.94	\$ 0.91
	Call Center	\$ 0.51	\$ 0.49
Labor Total		\$ 42.56	\$ 40.60
Non-Labor	Third-Party Implementers Contracts	\$ 11.86	\$ 17.07
	Local/Government Partnerships Contracts (3)	\$ 2.42	\$ 2.74
	Other Contracts	\$ -	\$ -
	Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.61	\$ 0.59
	Program Management	\$ 57.32	\$ 57.10
	Engineering services	\$ 0.93	\$ 0.90
	Customer Application/Rebate/Incentive Processing	\$ 0.13	\$ 0.13
	Customer Project Inspections	\$ -	\$ -
	Portfolio Analytics (6)	\$ 11.46	\$ 9.49
	ME&O (Local)	\$ 1.95	\$ 1.85
	Account Management / Sales	\$ 1.14	\$ 0.96
	IT	\$ 0.59	\$ 0.57
	Call Center	\$ 0.21	\$ 0.20
	Facilities	\$ -	\$ -
	Incentives--Core Programs	\$ 98.71	\$ 50.10
	Incentives--Third Party Program	\$ 46.11	\$ 68.00
Non-Labor Total		\$ 233.46	\$ 209.69
		\$ 276.02	\$ 250.29
Other (collected through GRC) (2)	Labor Overheads	\$ 18.00	\$ 17.26

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.
- (6) Included expenditures for SCE and CPUC EM&V
- (7) Contract labor is included in non-labor costs
- (8) SCE did not incur any capital costs related to its 2016 EE portfolio expenditures. Furthermore, SCE did not forecast any capital costs in its 2018 EE portfolio budget.

Residential

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 1.24	\$ 1.21
		Program Management	\$ 2.40	\$ 2.35
		Engineering services	\$ 0.77	\$ 0.76
		Customer Application/Rebate/Incentive Processing	\$ 1.11	\$ 1.08
		Customer Project Inspections	\$ 0.25	\$ 0.25
		Portfolio Analytics	\$ 0.41	\$ 0.40
		ME&O (Local)	\$ 0.50	\$ 0.49
		Account Management / Sales	\$ 0.06	\$ 0.06
		IT	\$ 0.30	\$ 0.29
		Call Center	\$ 0.37	\$ 0.36
		Labor Total	\$ 7.40	\$ 7.25
	Non-Labor	Third-Party Implementers Contracts	\$ 1.08	\$ 5.18
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.18	\$ 0.17
		Program Management	\$ 9.29	\$ 9.10
		Engineering services	\$ 0.33	\$ 0.32
		Customer Application/Rebate/Incentive Processing	\$ 0.05	\$ 0.05
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.03	\$ 0.03
		ME&O (Local)	\$ 0.63	\$ 0.62
		Account Management / Sales	\$ 0.00	\$ 0.00
		IT	\$ 0.19	\$ 0.18
		Call Center	\$ 0.16	\$ 0.16
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 61.69	\$ 17.32
		Incentives--Third Party Program	\$ 6.26	\$ 28.00
		Non-Labor Total	\$ 79.89	\$ 61.14
	Residential Total		\$ 87.29	\$ 68.39
	Other (collected through GRC) (2)	Labor Overheads	\$ 3.21	\$ 3.08

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Commercial

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Commercial [*]	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 1.52	\$ 1.32
		Program Management	\$ 3.68	\$ 3.20
		Engineering services	\$ 2.22	\$ 1.94
		Customer Application/Rebate/Incentive Processing	\$ 1.24	\$ 1.08
		Customer Project Inspections	\$ 0.32	\$ 0.28
		Portfolio Analytics	\$ 0.50	\$ 0.44
		ME&O (Local)	\$ 0.17	\$ 0.15
		Account Management / Sales	\$ 5.19	\$ 4.51
		IT	\$ 0.37	\$ 0.32
		Call Center	\$ 0.13	\$ 0.11
		Labor Total	\$ 15.34	\$ 13.34
	Non-Labor	Third-Party Implementers Contracts	\$ 6.26	\$ 4.79
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.27	\$ 0.24
		Program Management	\$ 16.68	\$ 14.51
		Engineering services	\$ 0.33	\$ 0.29
		Customer Application/Rebate/Incentive Processing	\$ 0.06	\$ 0.06
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.04	\$ 0.04
		ME&O (Local)	\$ 1.10	\$ 0.95
		Account Management / Sales	\$ 0.03	\$ 0.03
		IT	\$ 0.24	\$ 0.21
		Call Center	\$ 0.05	\$ 0.05
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 27.71	\$ 20.90
		Incentives--Third Party Program	\$ 31.68	\$ 30.00
		Non-Labor Total	\$ 84.46	\$ 72.06
	Commercial [*] Total		\$ 99.80	\$ 85.40
	Other (collected through GRC) (2)	Labor Overheads	\$ 6.56	\$ 5.67

[*] SCE classified On-Bill Finance program as a commercial sector program in its 2018-2025 EE Program Business Plan

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Industrial

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Industrial	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.36	\$ 0.50
		Program Management	\$ 0.87	\$ 1.22
		Engineering services	\$ 0.46	\$ 0.64
		Customer Application/Rebate/Incentive Processing	\$ 0.34	\$ 0.47
		Customer Project Inspections	\$ 0.05	\$ 0.07
		Portfolio Analytics	\$ 0.12	\$ 0.17
		ME&O (Local)	\$ 0.05	\$ 0.06
		Account Management / Sales	\$ 2.18	\$ 3.05
		IT	\$ 0.09	\$ 0.13
		Call Center	\$ -	\$ -
	Labor Total		\$ 4.51	\$ 6.31
	Non-Labor	Third-Party Implementers Contracts	\$ 3.24	\$ 5.94
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.06	\$ 0.08
		Program Management	\$ 0.91	\$ 1.27
		Engineering services	\$ 0.07	\$ 0.10
		Customer Application/Rebate/Incentive Processing	\$ 0.01	\$ 0.02
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.01	\$ 0.01
		ME&O (Local)	\$ 0.13	\$ 0.19
		Account Management / Sales	\$ 0.03	\$ 0.05
		IT	\$ 0.06	\$ 0.08
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 1.75	\$ 3.59
		Incentives--Third Party Program	\$ 8.17	\$ 10.00
	Non-Labor Total		\$ 14.44	\$ 21.33
Industrial Total			\$ 18.95	\$ 27.64
	Other (collected through GRC) (2)	Labor Overheads	\$ 1.94	\$ 2.68

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Agriculture

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Agriculture	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.04	\$ 0.04
		Program Management	\$ 0.21	\$ 0.20
		Engineering services	\$ 0.86	\$ 0.85
		Customer Application/Rebate/Incentive Processing	\$ 0.06	\$ 0.06
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.01	\$ 0.01
		ME&O (Local)	\$ 0.01	\$ 0.01
		Account Management / Sales	\$ 1.03	\$ 1.01
		IT	\$ 0.01	\$ 0.01
		Call Center	\$ -	\$ -
		Labor Total	\$ 2.24	\$ 2.20
	Non-Labor	Third-Party Implementers Contracts	\$ -	\$ 0.05
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.01	\$ 0.01
		Program Management	\$ 0.51	\$ 0.50
		Engineering services	\$ 0.01	\$ 0.01
		Customer Application/Rebate/Incentive Processing	\$ 0.00	\$ 0.00
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.00	\$ 0.00
		ME&O (Local)	\$ 0.06	\$ 0.06
		Account Management / Sales	\$ 0.01	\$ 0.01
		IT	\$ 0.01	\$ 0.01
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 1.25	\$ 0.26
		Incentives--Third Party Program	\$ -	\$ -
		Non-Labor Total	\$ 1.85	\$ 0.89
	Agriculture Total		\$ 4.09	\$ 3.09
	Other (collected through GRC) (2)	Labor Overheads	\$ 0.89	\$ 0.93

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Cross Cutting

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Cross Cutting [*]	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.34	\$ 0.28
		Program Management	\$ 4.30	\$ 3.52
		Engineering services	\$ 1.03	\$ 0.84
		Customer Application/Rebate/Incentive Processing	\$ 0.00	\$ 0.00
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.11	\$ 0.09
		ME&O (Local)	\$ 0.00	\$ 0.00
		Account Management / Sales	\$ 2.50	\$ 2.05
		IT	\$ 0.07	\$ 0.06
		Call Center	\$ -	\$ -
	Labor Total		\$ 8.35	\$ 6.85
	Non-Labor	Third-Party Implementers Contracts	\$ 1.28	\$ 1.10
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.06	\$ 0.05
		Program Management	\$ 12.87	\$ 10.55
		Engineering services	\$ 0.08	\$ 0.07
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.01	\$ 0.01
		ME&O (Local)	\$ 0.00	\$ 0.00
		Account Management / Sales	\$ 1.07	\$ 0.87
		IT	\$ 0.05	\$ 0.04
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 0.01	\$ -
		Incentives--Third Party Program	\$ -	\$ -
	Non-Labor Total		\$ 15.43	\$ 12.70
Cross Cutting [*]	Total		\$ 23.78	\$ 19.55
	Other (collected through GRC) (2)	Labor Overheads	\$ 3.36	\$ 2.91

[*] SCE classified On-Bill Finance program as a commercial sector program in its 2018-2025 EE Program Business Plan

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Public

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
Public	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.30	\$ 0.30
		Program Management	\$ 2.39	\$ 2.43
		Engineering services	\$ 0.15	\$ 0.15
		Customer Application/Rebate/Incentive Processing	\$ 0.14	\$ 0.14
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.10	\$ 0.10
		ME&O (Local)	\$ 0.01	\$ 0.01
		Account Management / Sales	\$ 0.77	\$ 0.78
		IT	\$ 0.10	\$ 0.10
		Call Center	\$ 0.02	\$ 0.02
	Labor Total		\$ 3.96	\$ 4.04
	Non-Labor	Third-Party Implementers Contracts	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ 2.42	\$ 2.74
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ 0.05	\$ 0.05
		Program Management	\$ 3.83	\$ 3.90
		Engineering services	\$ 0.11	\$ 0.11
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.01	\$ 0.01
		ME&O (Local)	\$ 0.03	\$ 0.03
		Account Management / Sales	\$ 0.00	\$ 0.00
		IT	\$ 0.05	\$ 0.05
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ 6.30	\$ 8.03
		Incentives--Third Party Program	\$ -	\$ -
	Non-Labor Total		\$ 12.79	\$ 14.92
Public Total			\$ 16.75	\$ 18.96
	Other (collected through GRC) (2)	Labor Overheads	\$ 1.69	\$ 1.72

Notes:

- (1) Labor costs are already loaded with (state loaders covered by EE)
- (2) These costs are collected through GRC (state current applicable decision)
- (3) LGP contracts that directly support the sector is included/not included in this item
- (4) 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.
- (5) The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

Southern California Regional Energy Network

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
REN	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -
		Program Management	\$ 0.00	\$ 0.00
		Engineering services	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -
		IT	\$ -	\$ -
		Call Center	\$ -	\$ -
	Labor Total		\$ 0.00	\$ 0.00
	Non-Labor	Third-Party Implementers Contracts	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -
		Program Management	\$ 13.24	\$ 17.26
		Engineering services	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ -	\$ -
		ME&O (Local)	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -
		IT	\$ -	\$ -
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ -	\$ -
		Incentives--Third Party Program	\$ -	\$ -
	Non-Labor Total		\$ 13.24	\$ 17.26
REN Total			\$ 13.24	\$ 17.26
	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 (state current applicable decision)
 - (3) LGP contracts that directly support the sector is included/not included in this item

EM&V

Sector	Cost Element	Functional Group	2016 EE Portfolio Expenditures (\$Million)	2018 EE Portfolio Budget (\$Million)
EM&V	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -
		Program Management	\$ -	\$ -
		Engineering services	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 0.77	\$ 0.62
		ME&O (Local)	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -
		IT	\$ -	\$ -
		Call Center	\$ -	\$ -
	Labor Total		\$ 0.77	\$ 0.62
	Non-Labor	Third-Party Implementers Contracts	\$ -	\$ -
		Local/Government Partnerships Contracts (3)	\$ -	\$ -
		Other Contracts	\$ -	\$ -
		Policy, Strategy, and Regulatory Reporting Compliance	\$ -	\$ -
		Program Management	\$ -	\$ -
		Engineering services	\$ -	\$ -
		Customer Application/Rebate/Incentive Processing	\$ -	\$ -
		Customer Project Inspections	\$ -	\$ -
		Portfolio Analytics	\$ 11.36	\$ 9.40
		ME&O (Local)	\$ -	\$ -
		Account Management / Sales	\$ -	\$ -
		IT	\$ -	\$ -
		Call Center	\$ -	\$ -
		Facilities	\$ -	\$ -
		Incentives--Core Programs	\$ -	\$ -
		Incentives--Third Party Program	\$ -	\$ -
	Non-Labor Total		\$ 11.36	\$ 9.40
EM&V Total			\$ 12.13	\$ 10.01
	Other (collected through GRC) (2)	Labor Overheads	\$ 0.34	\$ 0.26

- Notes:
- (1) Labor costs are already loaded with (state loaders covered by EE)
 - (2) These costs are collected through GRC (state current applicable decision)
 - (3) LGP contracts that directly support the sector is included/not included in this item

Appendix E

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

Energy Efficiency Costs and Savings Forecast by Sector

Sector [1]	2016 EE Portfolio Expenditures (\$Million)				2018 EE Portfolio Budget (\$Million)				2016 EE Portfolio Savings			2018 EE Portfolio Forecasted Savings		
	Labor [2]	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MOTHERMS	KWH	KW	MOTHERMS
Residential	\$ 7.40	\$ 11.94	\$ 67.95	\$ 87.29	\$ 7.25	\$ 15.82	\$ 45.32	\$ 68.39	351,410,344	72,241		210,091,055	92,409	
Commercial [3]	\$ 15.34	\$ 22.19	\$ 59.39	\$ 96.92	\$ 13.34	\$ 21.16	\$ 50.90	\$ 85.40	215,961,921	43,949		270,505,278	46,069	
Agricultural	\$ 2.24	\$ 0.60	\$ 1.25	\$ 4.09	\$ 2.20	\$ 0.64	\$ 0.26	\$ 3.09	12,141,150	1,413		1,817,680	420	
Industrial	\$ 4.51	\$ 4.52	\$ 9.92	\$ 18.95	\$ 6.31	\$ 7.74	\$ 13.59	\$ 27.64	89,591,965	12,456		127,633,478	8,130	
Public (GP)	\$ 3.96	\$ 6.49	\$ 6.30	\$ 16.75	\$ 4.04	\$ 6.89	\$ 8.03	\$ 18.96	25,189,460	3,232		28,686,906	3,728	
Cross Cutting*	\$ 8.35	\$ 15.42	\$ 0.01	\$ 23.78	\$ 6.85	\$ 12.70	\$ -	\$ 19.55	754,183,218	147,609		451,881,957	110,486	
Sector Total	\$ 41.79	\$ 61.15	\$ 144.82	\$ 247.77	\$ 39.98	\$ 64.94	\$ 118.10	\$ 223.02	1,448,478,059	280,899		1,090,616,353	261,241	
EM&V-PA	\$ 0.77	\$ 0.31	\$ -	\$ 1.08	\$ 0.26	\$ 3.75	\$ -	\$ 4.00						
EM&V-ED	\$ -	\$ 11.05	\$ -	\$ 11.05	\$ -	\$ 6.01	\$ -	\$ 6.01						
OBF - Loan Pool**	\$ -	\$ 2.88	\$ -	\$ 2.88	\$ -	\$ -	\$ -	\$ -						
SCalREN	\$ 0.00	\$ 13.24	\$ -	\$ 13.24	\$ 0.00	\$ 17.26	\$ -	\$ 17.26	867,386	921		9,433,702	9,395	
BayREN				\$ -				\$ -						
MCE				\$ -				\$ -						
EE Total	\$ 42.56	\$ 88.63	\$ 144.82	\$ 276.02	\$ 40.24	\$ 91.95	\$ 118.10	\$ 250.29	1,449,345,445	281,820		1,100,050,055	270,636	

Notes:

[1] Sector mapping is based on SCE's 2018-2015 Business Plan program mapping. Used 2015 program sector mapping for program that does not exist in the 2018 Business Plan.

[2] Included other labor related expenses (ie. travel, mileage, etc)

[3] SCE classified On-Bill Finance program as a commercial sector program in its 2018-2025 EE Program Business Plan

[4] 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.

[5] The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

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

** 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 F

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

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

Sector [1]	2016 EE Portfolio Expenditures (\$Million)				2018 EE Portfolio Budget (\$Million)			
	Labor [2]	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total
Residential	\$ 7.40	\$ 11.94	\$ 67.95	\$ 87.29	\$ 7.25	\$ 15.82	\$ 45.32	\$ 68.39
Commercial [3]	\$ 15.34	\$ 22.19	\$ 59.39	\$ 96.92	\$ 13.34	\$ 21.16	\$ 50.90	\$ 85.40
Agricultural	\$ 2.24	\$ 0.60	\$ 1.25	\$ 4.09	\$ 2.20	\$ 0.64	\$ 0.26	\$ 3.09
Industrial	\$ 4.51	\$ 4.52	\$ 9.92	\$ 18.95	\$ 6.31	\$ 7.74	\$ 13.59	\$ 27.64
Public (GP)	\$ 3.96	\$ 6.49	\$ 6.30	\$ 16.75	\$ 4.04	\$ 6.89	\$ 8.03	\$ 18.96
Cross Cutting*	\$ 8.35	\$ 15.42	\$ 0.01	\$ 23.78	\$ 6.85	\$ 12.70	\$ -	\$ 19.55
Sector Total	\$ 41.79	\$ 61.15	\$ 144.82	\$ 247.77	\$ 39.98	\$ 64.94	\$ 118.10	\$ 223.02
EM&V-PA	\$ 0.77	\$ 0.31	\$ -	\$ 1.08	\$ 0.26	\$ 3.75	\$ -	\$ 4.00
EM&V-ED	\$ -	\$ 11.05	\$ -	\$ 11.05	\$ -	\$ 6.01	\$ -	\$ 6.01
OBF - Loan Pool**	\$ -	\$ 2.88	\$ -	\$ 2.88	\$ -	\$ -	\$ -	\$ -
SCalREN	\$ 0.00	\$ 13.24	\$ -	\$ 13.24	\$ 0.00	\$ 17.26	\$ -	\$ 17.26
BayREN				\$ -				\$ -
MCE				\$ -				\$ -
EE Total	\$ 42.56	\$ 88.63	\$ 144.82	\$ 276.02	\$ 40.24	\$ 91.95	\$ 118.10	\$ 250.29

Notes:

[1] Sector mapping is based on SCE's 2018-2015 Business Plan program mapping. Used 2015 program sector mapping for program that does not exist in the 2018 Business Plan.

[2] Included other labor related expenses, ie travel, mileage, etc.

[3] SCE classified On-Bill Finance program as a commercial sector program in its 2018-2025 EE Program Business Plan

[4] 2018 Forecast budget and savings per sector are from Appendix C of the SCE amended Business Plan.

[5] The 2018 split between Labor and Non-Labor cost by functional group are based on historical cost recorded during the 2016/17 timeframe and adjusted based on total sector budgets derived from 2018 CET outputs in appendix D of the SCE business Plan.

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

** 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 G

Supporting Information – Response to Scoping Memo, Attachment A, Question C.10.

Solicitation Schedule

2017			
Q1	Q2	Q3	Q4(Assumes BP Approval)
			<u>Requests for Abstract:</u> Gather a broad spectrum of innovative third-party program ideas in the form of informational abstracts.
2018 (target 50% of portfolio budget)			
Q1	Q2	Q3	Q4
Request for Proposals • Commercial Sector • Industrial Sector • <i>Commercial New Construction Program</i> • Residential Sector • <i>Lighting Program</i>	Request for Abstracts Gather ideas to fill portfolio gaps and provide an opportunity to introduce new innovative program designs not captured in prior RFPs	Request for Proposals • Public Sector • <i>Statewide Government & Institutional Partnerships Program</i> • <i>Water Infrastructure & System Efficiency Program</i> • <i>Electric Emerging Technologies Program.</i>	Request for Abstracts Gather ideas to fill portfolio gaps and provide an opportunity to introduce new innovative program designs not captured in prior RFPs
2019 (target 60% of portfolio budget)			
Q1	Q2	Q3	Q4
Request for Proposals • Agricultural Sector	Request for Abstracts Gather ideas to fill portfolio gaps and provide an opportunity to introduce new innovative program designs not captured in prior RFPs.	Request for Abstracts Gather ideas to fill portfolio gaps and provide an opportunity to introduce new innovative program designs not captured in prior RFPs	Request for Abstracts Gather ideas to fill portfolio gaps and provide an opportunity to introduce new innovative program designs not captured in prior RFPs
2020 (exceed 60% of portfolio budget)			
Q1	Q2	Q3	Q4
Request for Abstracts Gather ideas to fill portfolio gaps and provide	Request for Abstracts Gather ideas to fill portfolio gaps and provide	Request for Abstracts Gather ideas to fill portfolio gaps and provide	Request for Abstracts Gather ideas to fill portfolio gaps and provide
an opportunity to introduce new innovative program designs not captured in prior RFPs. <i>Potential contract refresh opportunity depending on vendor performance and program uptake.</i>	an opportunity to introduce new innovative program designs not captured in prior RFPs. <i>Potential contract refresh opportunity depending on vendor performance and program uptake</i>	an opportunity to introduce new innovative program designs not captured in prior RFPs. <i>Potential contract refresh opportunity depending on vendor performance and program uptake</i>	an opportunity to introduce new innovative program designs not captured in prior RFPs. <i>Potential contract refresh opportunity depending on vendor performance and program uptake.</i>
Notes 1. The timing or order for the sectors and programs delineated in the table above may change depending upon the information gathered through the request for abstracts (RFA), the date of the CPUC's approval of the business plan, or other factors. 2. Additional request for proposals (RFPs) may be conducted at any time in order to fill gaps in the portfolio, refresh contracts, or as a result of additional information gathered through the request for abstracts. 3. Request for abstracts may be held open continuously and may overlap with RFPs.			

Appendix H

**Supporting Information – Response to Scoping Memo, Attachment A,
Question C.14.**

Supporting Information – Response to Scoping Memo, Attachment A, Question C.14.

Note: SCE has not finalized the budgets associated with the solicitation of the Statewide Downstream Pilot Programs at this time; however, SCE assumes that budgets will be commensurate with those indicated by PG&E and has used those for planning purposes.

Statewide Program	Proposed Lead	2018 Budget (\$M)	2019 Budget (\$M)	2020 Budget (\$M)
State Government Partnership	PG&E	\$ 4.74	\$ 4.78	\$ 4.81
Codes and Standards Advocacy	PG&E	\$ 11.95	\$ 12.06	\$ 12.13
WE&T Connections	PG&E	\$ 4.08	\$ 4.09	\$ 4.10
WE&T Career & Workforce Readiness (downstream pilot)	PG&E	\$ 1.67	\$ 1.67	\$ 1.67
Indoor Agriculture (downstream pilot)	PG&E	TBD	TBD	TBD
Emerging Technologies--Electric	SCE	\$ 14.52	\$ 14.75	\$ 14.90
Lighting	SCE	\$ 16.82	\$ 13.35	\$ 13.37
Savings by Design	SCE	\$ 22.89	\$ 23.30	\$ 23.59
Government Institutional Partnerships	SCE	\$ 15.63	\$ 15.47	\$ 15.22
Water/Wastewater Pumping (downstream pilot)	SCE	\$ 5.25	\$ 5.26	\$ 5.28
Residential New Construction	SCG	\$ 13.37	\$ 19.11	\$ 9.41
Emerging Technologies--Gas	SCG	\$ 2.66	\$ 2.69	\$ 2.72
Food Service POS	SCG	\$ 5.42	\$ 5.66	\$ 5.78
Commercial Midstream Water Heaters	SCG	\$ 2.62	\$ 2.69	\$ 2.72
Commercial Upstream HVAC	SDG&E	\$ 30.29	\$ 30.98	\$ 31.44
Residential Upstream HVAC	SDG&E	\$ 1.86	\$ 1.98	\$ 2.06
Residential PLA	SDG&E	\$ 27.97	\$ 29.47	\$ 23.11
Residential HVAC QI/QM (downstream pilot)	SDG&E	\$ 6.85	\$ 7.32	\$ 7.86

Notes

*PG&E's amount does not include RPP

**SW budgets may be adjusted before and after the solicitation process based on portfolio needs and proposals received.

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Application of Southern California Edison Company (U 338-E) for Approval of Energy Efficiency Rolling Portfolio Business Plan.	A.17-01-013 (Filed January 13, 2017)
And Related Matters	A. 17-01-014 A.17-01-015 A.17-01-016 A.17-01-017

CERTIFICATE OF SERVICE

I hereby certify that, pursuant to the Commission's Rules of Practice and Procedure, I have this day served a true copy of **SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) RESPONSES TO THE REQUEST FOR SUPPLEMENTAL BUDGET AND RELATED INFORMATION** on all parties identified on the attached service list **A.17-01-013 et al.** Service was effected by one or more means indicated below:

- ☒ Transmitting the copies via e-mail to all parties who have provided an e-mail address.
- ☒ Placing the copies in sealed envelopes and causing such envelopes to be delivered by hand or by overnight courier to the offices of the Assigned ALJ(s) or other addressee(s).

ALJ Julie A. Fitch
CPUC
505 Van Ness Avenue
San Francisco, CA 94102

ALJ Valerie Kao
CPUC
505 Van Ness Avenue
San Francisco, CA 94102

Executed **June 12, 2017**, at Rosemead, California.

/s/ Irene Gutierrez

Irene Gutierrez

Legal Assistant

SOUTHERN CALIFORNIA EDISON COMPANY

2244 Walnut Grove Avenue
Post Office Box 800
Rosemead, California 91770



CALIFORNIA PUBLIC UTILITIES COMMISSION

Service Lists

PROCEEDING: A1701013 - EDISON - FOR APPROVA
FILER: SOUTHERN CALIFORNIA EDISON COMPANY
LIST NAME: LIST
LAST CHANGED: JUNE 9, 2017

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Parties

ANDREW BROOKS
 DIR - WEST COAST OPER.
 ASSOCIATION OF ENERGY AFFORDABILITY
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: ASSOCIATION FOR ENERGY
 AFFORDABILITY

ANGELA HACKER
 COUNTY OF SANTA BARBARA
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: COUNTY OF SANTA BARBARA, EMPOWER

CARMELITA L. MILLER
 LEGAL COUNSEL
 THE GREENLINING INSTITUTE
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: THE GREENLINING INSTITUTE

CHARLES CORMANY
 EXECUTIVE DIRECTOR
 EFFICIENCY FIRST CALIFORNIA (EF CA)
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: CALIFORNIA BUILDING PERFORMANCE
 CONTRACTORS ASSOCIATION DBA EFFICIENCY
 FIRST CALIFORNIA (EF CA)

HOWARD CHOY
 GEN. MGR., OFFICE OF SUSTAINABILITY
 COUNTY OF LOS ANGELES
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: SOUTHERN CALIFORNIA REGIONAL
 ENERGY NETWORK (SCREN)

HOWARD W. CHOY
 GEN. MGR - OFFICE OF SUSTAINABILITY
 LOS ANGELES COUNTY ISD
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: LOCAL GOVERNMENT SUSTAINABLE
 ENERGY COALITION (LGSEC)

JONATHAN MCHUGH, PE
 PRINCIPAL
 MCHUGH ENERGY CONSULTANTS INC
 EMAIL ONLY

LARA ETTENSON
 NATURAL RESOURCES DEFENSE DOUNCIL
 EMAIL ONLY
 EMAIL ONLY, CA 00000

EMAIL ONLY, CA 00000
FOR: MCHUGH ENERGY CONSULTANTS, INC.
[MCHUGH ENERGY]

FOR: NATURAL RESOURCES DEFENSE COUNCIL
(NRDC)

PETER MILLER
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000
FOR: NATURAL RESOURCES DEFENSE COUNCIL
(NRDC)

DONALD GILLIGAN
PRESIDENT
NATI'L ASSN. OF ENERGY SVC. COMPANIES
1615 M STREET, NW
WASHINGTON, DC 20036
FOR: NATIONAL ASSOCIATION OF ENERGY
SERVICE COMPANIES (NAESCO)

GREG MERRITT
CREE, INC.
4600 SILICON DRIVE
DURHAM, NC 27703
FOR: CREE, INC.

ROB FALKE
PRESIDENT
NATIONAL COMFORT INSTITUTE
PO BOX 147
AVON LAKE, OH 44012
FOR: NATIONAL COMFORT INSTITUTE

KRISTIN ANDERSON
PRESIDENT
OCCAM'S ENERGY CONSULTING, INC.
4015 W 65TH STREET, SUITE 302
MINNEAPOLIS, MN 55435
FOR: APPLIANCE RECYCLING CENTERS OF
AMERICA, INC. (ARCA)

JUSTIN SEGALL
FOUNDER & EXECUTIVE VICE PRESIDENT
SIMPLE ENERGY
1215 SPRUCE ST., STE. 301
BOULDER, CO 80302-4839
FOR: SIMPLE ENERGY

JOHNNY PONG
SENIOR COUNSEL
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET SUITE 1400
LOS ANGELES, CA 90013
FOR: SOUTHERN CALIFORNIA GAS COMPANY

PAUL THOMAS
SYZERGY, INC.
4000 LONG BEACH BLVD., STE. 206
LONG BEACH, CA 90807
FOR: SYZERGY, INC.

DANIEL W. DOUGLASS
ATTORNEY
DOUGLASS & LIDDELL
4766 PARK GRANADA, STE. 209
CALABASAS, CA 91302
FOR: NEST LABS, INC.

DANIEL W. DOUGLASS
ATTORNEY
DOUGLASS & LIDDELL
4766 PARK GRANADA, SUITE 209
CALABASAS, CA 91302
FOR: UNIVERSITY OF CALIFORNIA; NEST
LABS, INC.

JANE LEE COLE
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON COMPANY

JANE LEE COLE, ESQ.
SR. ATTORNEY
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON COMPANY

JULIE WILEY
SPECIAL COUNSEL
SAN DIEGO ASSOCIATION OF GOVERNMENTS
401 B STREET, SUITE 800
SAN DIEGO, CA 92101

FREDERICK M. ORTLIEB
DEPUTY CITY ATTORNEY
CITY OF SAN DIEGO
1200 THIRD AVENUE, SUITE 1100
SAN DIEGO, CA 92101-4100

FOR: SAN DIEGO ASSOCIATION OF
GOVERNMENTS (SANDAG)

FOR: CITY OF SAN DIEGO

E. GREGORY BARNES
ATTORNEY AT LAW
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO, CA 92123
FOR: SAN DIEGO GAS & ELECTRIC COMPANY

ELLEN ADLER
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT.
SAN DIEGO, CA 92123
FOR: SAN DIEGO GAS & ELECTRIC COMPANY

SACHU CONSTANTINE
DIR. OF POLICY
CENTER FOR SUSTAINABLE ENERGY
9325 SKY PARK COURT, SUITE 100
SAN DIEGO, CA 92123
FOR: CENTER FOR SUSTAINABLE ENERGY

THOMAS R. BRILL
SR COUNSEL & DIRECTOR
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURTY PARK CT., CP32E
SAN DIEGO, CA 92123-1530
FOR: SAN DIEGO GAS & ELECTRIC COMPANY

GEORGE ODERO
ENERGYWISE ENG'RING & TECH. CONSULTING
3298 GOVERNOR DRIVE, STE. 22496
SAN DIEGO, CA 92192
FOR: ENERGYWISE ENGINEERING AND
TECHNICAL CONSULTING (EETC)

DOUG AVERY
CO-CHAIR
CALIFORNIA ENERGY EFFICIENCY ALLIANCE
24134 ESMERALDA COURT
WILDOMAR, CA 92595
FOR: CALIFORNIA ENERGY EFFICIENCY
ALLIANCE (CEFA)

ALEJANDRA TELLEZ
MGMT ANALYST, COUNTY EXEC OFFICE
COUNTY OF VENTURA
800 S. VICTORIA AVENUE, L-1940
VENTURA, CA 93009
FOR: THE COUNTY OF VENTURA

JON GRIESSER
CHAIR, RHTR
RURAL HARD TO REACH LOCAL GOVT
COUNTY OF SAN LUIS OBISPO
976 OSOS STREET, SUITE 300
SAN LUIS OBISPO, CA 93401
FOR: THE RURAL HARD TO REACH LOCAL
GOVERNMENT PARTNERSHIPS' WORKING GROUP
(RHTR)

TREVOR KEITH
COUNTY OF SAN LUIS OBISPO
976 OSOS STREET
SAN LUIS OBISPO, CA 93408
FOR: COUNTY OF SAN LUIS OBISPO

COURTNEY KALASHIAN
CP-CHAIR, RHTR
SAN JOAQUIN VALLEY CLEAN ENERGY ORG.
4747 NORTH FIRST STREET, SUITE 140
FRESNO, CA 93726
FOR: SAN JOAQUIN VALLEY CLEAN ENERGY
ORGANIZATION (SJVCEO)

ELISABETH B. RUSSELL
SPECIAL PROJECTS DIRECTOR
ASSOCIATION OF MONTEREY BAY AREA GOV'TS
24580 SILVER CLOUD COURT
MONTEREY, CA 93940
FOR: ASSOCIATION OF MONTEREY BAY AREA
GOVERNMENTS (AMBAG)

STEVE SCHMIDT
HOME ENERGY ANALYTICS
13061 BYRD LN
LOS ALTOS, CA 94022
FOR: HOME ENERGY ANALYTICS (HEA)

ABHAY GUPTA
CHIEF EXECUTIVE OFFICER
BIDGELY, INC.

JORDANA CAMMARATA
FIRSTFUEL SOFTWARE
ONE EMBARCADERO CENTER, SUITE 1550

298 SOUTH SUNNYVALE AVENUE, STE. 205
SUNNYVALE, CA 94098
FOR: BIDGELY, INC.

SAN FRANCISCO, CA 94102
FOR: FIRSTFUEL SOFTWARE

CHRISTOPHER CLAY
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4300
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: ORA

JEANNE M. SOLE
DEPUTY CITY ATTORNEY
CITY AND COUNTY OF SAN FRANCISCO
1 DR. CARLTON B. GOODLETT PLACE, RM. 234
SAN FRANCISCO, CA 94102-4682
FOR: CITY AND COUNTY OF SAN FRANCISCO

HAYLEY GOODSON
STAFF ATTORNEY
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO, CA 94103
FOR: THE UTILITY REFORM NETWORK (TURN)

IVAN JIMENEZ
LEGAL FELLOW
BRIGHTLINE DEFENSE PROJECT
1028A HOWARD STREET
SAN FRANCISCO, CA 94103
FOR: BRIGHTLINE DEFENSE PROJECT

ANNETTE BEITEL
CALIFORNIA TECHNICAL FORUM STAFF
2298 FULTON ST.
SAN FRANCISCO, CA 94104
FOR: CALIOFRNIA TECHNICAL FORUM STAFF
(CAL TF)

EVELYN KAHL
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
345 CALIFORNIA ST., STE. 2450
SAN FRANCISCO, CA 94104
FOR: ENERGY PRODUCERS AND USERS
COALITION

JAMES BIRKELUND
PRESIDENT
SMALL BUSINESS UTILITY ADVOCATES
548 MARKET STREET, SUITE 11200
SAN FRANCISCO, CA 94104
FOR: SMALL BUSINESS UTILITY ADVOCATES
(SBUA)

NORA SHERIFF
COUNSEL
ALCANTAR & KAHL LLP
345 CALIFORNIA ST., STE. 2450
SAN FRANCISCO, CA 94104
FOR: CALIFORNIA LARGE ENERGY CONSUMERS
ASSOCIATION (CLECA)

ROSS NAKASONE
CALIF. POLICY ORGANIZER
BLUEGREEN ALLIANCE
155 MONTGOMERY ST., STE. 1001
SAN FRANCISCO, CA 94104
FOR: BLUEGREEN ALLIANCE

STEPHANIE WANG
POLICY DIR
CALIFORNIA HOUSING PARTNERSHIP
369 PINE STREET, STE.300
SAN FRANCISCO, CA 94104
FOR: CALIFORNIA HOUSING PARTNERSHIP
CORPORATION

DAN SUYEYASU
DIR
CODECYCLE LLC
55 NEW MONTGOMERY, STE. 703
SAN FRANCISCO, CA 94105
FOR: CODECYCLE LLC

LARISSA KOEHLER
SENIOR ATTORNEY
ENVIRONMENTAL DEFENSE FUND
123 MISSION STREET, 28TH FLOOR
SAN FRANCISCO, CA 94105
FOR: ENVIRONMENTAL DEFENSE FUND

F. JACKSON STODDARD
ATTORNEY
MORGAN LEWIS & BOCKIUS, LLP
ONE MARKET, SPEAR STREET TOWER

MATTHEW O'KEEFE
OPOWER
680 FOLSOM ST., 3RD FL.
SAN FRANCISCO, CA 94107

SAN FRANCISCO, CA 94105-1126
FOR: NEXANT, INC.

FOR: OPOWER

MARK SHAHINIAN
PRESIDENT
FUTURE GRID COALITION
15 LAPIDGE STREET, APT. 2
SAN FRANCISCO, CA 94110
FOR: FUTURE GRID COALITION

BRIAN CRAGG
ATTORNEY
GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111
FOR: INDEPENDENT ENERGY PRODUCERS
ASSOCIATION (IEPA)

VIDHYA PRABHAKARAN
ATTORNEY
DAVIS WRIGHT & TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111
FOR: CLEARESLT CONSULTING INC.

IRENE K. MOOSEN
ATTORNEY AT LAW
LAW OFFICE OF IRENE K. MOOSEN
53 SANTA YNEZ AVENUE
SAN FRANCISCO, CA 94112
FOR: LOCAL GOVERNMENT SUSTAINABLE
ENERGY COALITION (LGSEC)

EVELYN C. LEE
ATTORNEY
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 7442, MC-B30A
SAN FRANCISCO, CA 94120-7442
FOR: PACIFIC GAS AND ELECTRIC COMPANY

BARBARA QUITTNER
PROGRAM ADMINISTRATION
SYNERGY COMPANIES
28436 SATELLITE STREET
HAYWARD, CA 94545
FOR: SYNERGY COMPANIES

BARBARA QUITTNER
PROGRAM ADMINISTRATION
SYNERGY COMPANIES
28436 SATELLITE STREET
HAYWARD, CA 94545
FOR: ENERGY EFFICIENCY INC. (EEI)

ROBERT FRIED
ATKINSON, ANDELSON, LOYA, RUUD & ROMO
5075 HOPYARD ROAD, STE. 210
PLEASANTON, CA 94588
FOR: INSTITUTE OF HEARING AND AIR
CONDITIONING INDUSTRIES, INC. (IHACI)

GERALD LAHR
ENERGY PROGRAMS MGR.
ASSOCIATION OF BAY AREA GOVERNMENTS
101 8TH ST.
OAKLAND, CA 94607
FOR: SAN FRANCISCO BAY AREA REGIONAL
ENERGY NETWORK (SFBAREN)

JERRY LAHR
PROGRAM MANAGER
ABAG POWER
101 EIGHT STREET
OAKLAND, CA 94607-4756
FOR: ASSOCIATION OF BAY AREA
GOVERNMENTS (ABAG)

BRUCE MAST
DIR OF PROGRAMS
BUILD IT GREEN
1330 BROADWAY. STE 1702
OAKLAND, CA 94612
FOR: BUILD IT GREEN (BIG)

HEATHER LARSON
ADMINISTRATOR
EAST BAY ENERGY WATCH
1537 WEBSTER ST.
OAKLAND, CA 94612
FOR: EAST BAY ENERGY WATCH STRATEGIC
ADVISORY COMMITTEE (EBEWSAC)

KEVIN CORNISH
VP BUSINESS SERVICES
COHEN VENTURES, INC./ ENERGY SOLUTIONS
449 15TH STREET, SUITE 400
OAKLAND, CA 94612

MICHAEL CALLAHAN
REGULATORY COUNSEL
MARIN CLEAN ENERGY
1125 TAMALPAIS AVE.
SAN RAFAEL, CA 94901

FOR: COHEN VENTURES, INC. DBA ENERGY
SOLUTIONS (ENERGY SOLUTIONS)

FOR: MARIN CLEAN ENERGY

MAHLON ALDRIDGE
VP - STRATEGIC DEVELOPMENT
ECOLOGY ACTION OF SANTA CRUZ
877 CEDAR STREET, STE. 240
SANTA CRUZ, CA 95060-3938
FOR: ECOLOGY ACTION OF SANTA CRUZ

DEMETRA J. MCBRIDE
DIR. - OFF. OF SUST. & CLIMATE ACTION
SANTA CLARA COUNTY
70 W. HEDDING ST., E. WING, 11TH FLR.
SAN JOSE, CA 95110
FOR: COUNTY OF LOS ANGELES

KELLY FOLEY
SONOMA CLEAN POWER
50 OLD COURTHOUSE SQ., STE. 605
SANTA ROSA, CA 95404
FOR: SONOMA CLEAN POWER

STEVEN S. SHUPE
GENERAL COUNSEL
SONOMA CLEAN POWER AUTHORITY
50 SANTA ROSA AVE., 5TH FL.
SANTA ROSA, CA 95404
FOR: SONOMA CLEAN POWER AUTHORITY

KELLIE SMITH
POLICY DIR.
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL
1535 FARMERS LANE, SUITE 312
SANTA ROSA, CA 95405
FOR: CALIFORNIA ENERGY EFFICIENCY
INDUSTRY COUNCIL (CEEIC)

KEVIN MESSNER
SVP, POLICY & GOV'T RELATIONS
ASSOCIATION OF HOME APPLIANCE MFG
1512 WILLOW LANE
DAVIS, CA 95616
FOR: ASSOCIATION OF HOME APPLIANCE
MANUFACTURERS

MELANIE GILLETTE
WESTERN REGULATORY AFFAIRS
ENERNOC, INC.
115 HAZELMERE DRIVE
FOLSOM, CA 95630
FOR: ENERNOC, INC.

ERIC EISENHAMMER
COALITION OF ENERGY USERS
4010 FOOTHILLS BLVD., STE 103 NO. 115
ROSEVILLE, CA 95747
FOR: COALITION OF ENERGY USERS

DAN GRIFFITHS
ATTORNEY
BRAUN BLAISING MCLAUGHLIN & SMITH, P.C.
915 L STREET, SUITE 1480
SACRAMENTO, CA 95814
FOR: CITY OF LANCASTER

JIM HAWLEY
PRINCIPAL
DEWEY SQUARE GROUP, LLC
1020 16TH STREET, SUITE 20
SACRAMENTO, CA 95814
FOR: MISSION: DATA

JUSTIN WYNNE
ATTORNEY
BRAUN BLAISING MCLAUGHLIN & SMITH, P.C.
915 L STREET, SUITE 1480
SACRAMENTO, CA 95814
FOR: CALIFORNIA MUNICIPAL UTILITIES
ASSOCIATION (CMUA)

THOMAS A. ENSLOW
ATTORNEY
ADAMS BROADWELL JOSEPH AND CARDOZO
520 CAPITOL MALL, STE. 350
SACRAMENTO, CA 95814
FOR: JOINT COMMITTEE ON ENERGY AND
ENVIRONMENTAL POLICY (JCEEP)

THOMAS A. ENSLOW
ADAMS BROADWELL JOSEPH AND CARDOZO
520 CAPITOL MALL, SUITE 350
SACRAMENTO, CA 95814
FOR: CALIFORNIA STATE LABOR MANAGEMENT
COOPERATION COMMITTEE-FOR THE
INTERNATIONAL BROTHERHOOD OF ELECTRICAL

THOMAS A. ENSLOW
ADAMS BROADWELL JOSEPH & CARDOZO
520 CAPITOL MALL, SUITE 350
SACRAMENTO, CA 95814-4715
FOR: CALIFORNIA CONSTRUCTION INDUSTRY
LABOR MANAGEMENT COOPERATION TRUST
(CCILMCT)

WORKERS / THE NATIONAL ELECTRICAL
CONTRACTORS ASSOCIATION (LMCC)

THOMAS ENSLOW
ADAMS BROADWELL JOSEPH & CARDOZO
520 CAPITOL MALL, SUITE 350
SACRAMENTO, CA 95814-4715
FOR: COALITION FOR ENERGY EFFICIENCY
(CEE)

LAURA TAYLOR
ATTORNEY
BRAUN BLAISING MCLAUGHLIN & SMITH, P.C.
915 L STREET, STE. 1480
SACRAMENTO, CA 95822
FOR: SILICON VALLEY CLEAN ENERGY
AUTHORITY

JOHN LARREA
CALIFORNIA LEAGUE OF FOOD PROCESSORS
1755 CREEKSIDE OAKS DRIVE, STE 250
SACRAMENTO, CA 95833
FOR: CALIFORNIA LEAGUE OF FOOD
PROCESSORS

KAREN NORENE MILLS
ATTORNEY
CALIFORNIA FARM BUREAU FEDERATION
2300 RIVER PLAZA DRIVE
SACRAMENTO, CA 95833
FOR: CALIFORNIA FARM BUREAU FEDERATION

ROBERT MOWRIS
PROFESSIONAL ENGINEER
ROBERT MOWRIS & ASSOCIATES, INC.
PO BOX 2366
OLYMPIC VALLEY, CA 96146
FOR: ROBERT MOWRIS & ASSOCIATES, INC.

SAM SIRKIN
VP - PROGRAM DEVELOPMENT
JACO ENVIRONMENTAL, INC.
6908 SW 37TH
PORTLAND, OR 97219
FOR: JACO ENVIRONMENTAL, INC. (JACO)

TOM ECKHART
CEO
CAL-UCONS
10612 NE 46TH STREET
KIRKLAND, WA 98033
FOR: CAL-UCONS, INC.

JACOB OSTER
ENERGYSAVVY
159 SOUTH JACKSON STREET, SUITE 420
SEATTLE, WA 98102
FOR: ENERGYSAVVY

Information Only

AARON (YICHEN) LU
PROGRAM COORDINATOR
CITY OF SAN DIEGO
EMAIL ONLY
EMAIL ONLY, CA 00000

ADAM SCHEER
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

ALEJANDRA MEJIA
EMAIL ONLY
EMAIL ONLY, CA 00000

ALICE STOVER
CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

ALISSA BURGER
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

ALLAN LEE
EXEC. DIR., ENERGY SERVICES DIVISION
CADMUS
EMAIL ONLY
EMAIL ONLY, OR 00000

ALLAN RAGO
QUALITY CONSERVATION SERVICES, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000

ANDRA PLIGAVKO
EMAIL ONLY
EMAIL ONLY, CA 00000

ANDREW CAMPBELL
EXEC. DIR., ENERGY INSTITUTE AT HAAS
UNIVERSITY OF CALIFORNIA, BERKELEY
EMAIL ONLY
EMAIL ONLY, CA 00000

ANNETTE BEITEL
FUTURE ENERGY ENTERPRISES-CAL.TECH. FORM
EMAIL ONLY
EMAIL ONLY, CA 00000

ARLEEN NOVOTNEY
ACCESS / SCF
EMAIL ONLY
EMAIL ONLY, CA 00000

BARBARA BARKOVICH
CONSULTANT
BARKOVICH & YAP
EMAIL ONLY
EMAIL ONLY, CA 00000

BECKIE MENTEN
EFFICIENCY COORDINATOR
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

BRIAN SMITH
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

CAROL YIN
YINSIGHT, INC
EMAIL ONLY
EMAIL ONLY, CA 00000

CAROLINE CHEN
EMAIL ONLY
EMAIL ONLY, CA 00000

CAROLINE M. FRANCIS
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

CAROLINE MCCORMACK
CALIFORNIA HOUSING PARTNERSHIP
EMAIL ONLY
EMAIL ONLY, CA 00000

CASE COORDINATION
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

CASSANDRA FELICIANO
REGULATORY CASE MANAGER
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

CATHIE A. ALLEN
PACIFICORP
EMAIL ONLY
EMAIL ONLY, CA 00000

CHUCK BUCK
MANAGER, REGULATORY AFFAIRS
OPOWER
EMAIL ONLY
EMAIL ONLY, CA 00000

CORINNE M. SIERZANT
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

CORY SCOTT
PACIFICORP
EMAIL ONLY
EMAIL ONLY, NV 00000

CRAIG TYLER
TYLER & ASSOCIATES

DAMON FRANZ
DIRECTOR - POLICY & ELECTRICITY MARKETS

EMAIL ONLY
EMAIL ONLY, CA 00000

SOLARCITY
EMAIL ONLY
EMAIL ONLY, CA 00000

DAVID HUANG
LEGAL FELLOW
THE GREENLINING INSTITUTE
EMAIL ONLY
EMAIL ONLY, CA 00000

DORREN CARUTH
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

ELI CAUDILL
CLEARESLT
EMAIL ONLY
EMAIL ONLY, CA 00000

ELI HARLAND
CALIFORNIA ENERGY COMMISSION
ENERGY RESEARCH & DEVELOPMENT DIV.
EMAIL ONLY
EMAIL ONLY, CA 00000

EMILY SANGI
DAVIS WRIGHT TREMAINE, LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

ERIC EBERHARDT
ASSOCIATE DIRECTOR ENERGY SERVICES
UNIVERSITY OF CALIF. OFFICE OF THE PRES.
EMAIL ONLY
EMAIL ONLY, CA 00000

GREG WIKLER
DIR - ENERGY
NAVIGANT CONSULTING, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000

HALLEY FITZPATRICK
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

HANNA GRENE
CENTER FOR SUSTAINBLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

JEAN SHELTON
ITRON
EMAIL ONLY
EMAIL ONLY, CA 00000

JENNIFER BERG
BAYREN PROJECT MANAGER
ASSOCIATION OF BAY AREA GOVERNMENTS
EMAIL ONLY
EMAIL ONLY, CA 00000

JENNY ROECKS
EMAIL ONLY
EMAIL ONLY, CA 00000

JEREMY WAEN
SR. REGULATORY ANALYST
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

JESSICA COHEN
MANAGEMENT FOLLOW/PROGRAM MANAGER
L.A.COUNTY OFFICE OF SUSTAINABILITY
EMAIL ONLY
EMAIL ONLY, CA 00000

JESSICA WAGGONER
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

JOHN CAVALLI
ITRON
EMAIL ONLY
EMAIL ONLY, CA 00000

JOHN JONES
BUILDING PERFORMANCE INSTITUTE, INC.

JON VENCIL
SR. CONSULTANT, MKT WEST

EMAIL ONLY
EMAIL ONLY, CA 00000

DNV GL
EMAIL ONLY
EMAIL ONLY, CA 00000

KATIE ELLIOTT
ENERGY EFFICIENCY PROGRAM SPECIALIST
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

KATY ROSENBERG
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000

LINDSEY HAWES
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

LIZ OH
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

LUCY MORRIS
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

LUJUANA MEDINA
SOCALGAS
EMAIL ONLY
EMAIL ONLY, CA 00000

MARC COSTA
ENERGY COALITION
EMAIL ONLY
EMAIL ONLY, CA 00000

MARIA STAMAS
LEGAL FELLOW, ENERGY PROGRAM
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000

MATT BOGOSHIAN
CHIEF STRATEGY OFFICER & GEN.COUNSEL
REV
EMAIL ONLY
EMAIL ONLY, CA 00000

MCE REGULATORY
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

MEGHAN DEWEY
MGR - EE POLICY / STRATEGY
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

MERRIAN BORGESON
SR. SCIENTIST
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHAEL ALCANTAR
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHAEL NORBECK
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

MIKE CADE
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000

MIKE RUFO
ITRON
EMAIL ONLY
EMAIL ONLY, CA 00000

MISTI BRUCERI
MISTI BRUCERI & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

MRW ASSOCIATES
MRW & ASSOCIATES
EMAIL ONLY
EMAIL ONLY, CA 00000

MYRON GRAESSLE
LOCKEED MARTIN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

NIKHIL GANDHI
EMAIL ONLY
EMAIL ONLY, CA 00000

PATRICK FERGUSON
ATTORNEY
DAVIS WRIGHT TREMAINE, LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

PATRICK THACHER
MCE CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

RAFAEL FRIEDMANN
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

RICARDO AMON
FOOD INDUSTRY ENERGY SPECIALIST
CALIF. INST. OF FOOD & AGRI. RESEARCH
UC - DAVIS
EMAIL ONLY
EMAIL ONLY, CA 00000

SAMUEL HARVEY
KEYES, FOX AND WIEDMAN LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

SEAN MACKAY
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

SEPHRA A. NINOW
REGULATORY AFFAIRS MGR.
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

SHAHANA SAMIULLAH
SOUTHERN CALIFORNIA EDISON COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000

STEVEN GUERRY
PROGRAM CONSULTANT
BKI
EMAIL ONLY
EMAIL ONLY, CA 00000

SUSIE BERLIN
ATTORNEY AT LAW
LAW OFFICES OF SUSIE BERLIN
EMAIL ONLY
EMAIL ONLY, CA 00000

TIM OLSEN
ENERGY COALITION
EMAIL ONLY
EMAIL ONLY, CA 00000

MRW & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

KAREN TERRANOVA
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

ROBERT KASMAN
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

JEFF PERKINS
ERS
120 WATER STREET, SUITE 350
NORTH ANDOVER, MA 01845

ERIKA DIAMOND
ENERGYHUB
232 3RD STREET, SUITE 201
BROOKLYN, NY 11215

LAURA KIER
ENERGYHUB
232 3RD STREET
BROOKLYN, NY 11215

RUTH HUPART
1220 19TH STREET, NW, STE. 800
WASHINGTON, DC 20036

KATHERINE JOHNSON
JOHNSON CONSULTING GROUP
1033 LINDFIELD DRIVE
FREDERICK, MD 21702

RACHEL HOLMES
APPLIANCES RECYCLING CENTER OF AM., INC.
7400 EXCELSIOR BLVD.
MINNEAPOLIS, MN 55426

JACK CAMERON
PRESIDENT
APPLIANCES RECYCLING CENTERS OF AM., INC
7400 EXCELSIOR BLVD
MINNEAPOLIS, MN 55426-4517

DAVID P. LOWREY
DIRECTOR, REGULATORY STRATEGY
COMVERGE, INC.
999 18TH STREET, SUITE 2300
DENVER, CO 80202

KELLY CRANDALL
EQ RESEARCH, LLC
1580 LINCOLN ST., STE. 800
DENVER, CO 80203

LISA HOUGH
SIMPLE ENERGY
1215 SPRUCE ST., STE. 301
BOULDER, CO 80302

ADAM BLOCK
MANAGER, REGULATORY AFFAIRS
SIMPLE ENERGY, INC.
1215 SPRUCE STREET, STE. 301
BOULDER, CO 80304

CAMERON BROOKS
E9 ENERGY INSIGHT
1877 BROADWAY, SUITE 100
BOULDER, CO 80304

PETER C. JACOBS
BUILDING METRICS INC.
2540 FRONTIER AVE. SUITE 100
BOULDER, CO 80304

DAVID C. CLARK
ADVISOR
ENERGY EFFICIENCY INC.
595 S. BLUFF ST., NO. 5
ST. GEORGE, UT 84770

JULIE RICHARDSON
PRESIDENT
ENERGY EFFICIENCY INC.
595 S. BLUFF ST., NO. 5
ST. GEORGE, UT 84770
FOR: ENERGY EFFICIENCY INC. (EEI)

CYNTHIA K. MITCHELL
ENERGY ECONOMICS INC.
530 COLGATE COURT
RENO, NV 89503

ALMA MENA WILLIAMSON
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH STREET, M.L. 19A7
LOS ANGELES, CA 90013

ANDREW NIH
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH ST., GT19A7
LOS ANGELES, CA 90013

ANDREW STEINBERG
REGULATORY POLICY & REPORTING MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT19A7
LOS ANGELES, CA 90013

DARREN HANWAY

DAVID KIM

SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH ST., MAIL STOP GT19A7
LOS ANGELES, CA 90013

SOUTHERN CALIFORNIA GAS COMPANY
555 WEST 5TH STREET
LOS ANGELES, CA 90013

DERRICK CLIFTON
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH STREET
LOS ANGELES, CA 90013

ELIZABETH BAIRE
REGULATORY MGR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH ST., GT14D6
LOS ANGELES, CA 90013

ERIN PALERMO
SOUTHERN CALIFORNIA GAS COMPANY
555 W 5TH STREET
LOS ANGELES, CA 90013

JEFF SALAZAR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013

JESSE JOHN MARTINEZ
SEMPRA UTILITIES
555 W. 5TH ST
LOS ANGELES, CA 90013

JOSEPH MOCK
REGULATORY CASE MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST 5TH ST., STE 1400, GT14D6
LOS ANGELES, CA 90013

JOYCE KWOK
CUSTOMER PROGRAMS & ASSISTANCE
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, GT19A7
LOS ANGELES, CA 90013

KENDRA TALLEY
CASE MGR.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013

LETICIA AYALA
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST 5TH STREET
LOS ANGELES, CA 90013

MARK A. REYNA
REGULATORY POLICY ADVISOR
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH ST. GT19A8
LOS ANGELES, CA 90013

MARK HERVEY
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET
LOS ANGELES, CA 90013

MARK HUERTA
SOUTHERN CA GAS COMPANY
555 WEST 5TH STREET
LOS ANGELES, CA 90013

PAUL DEANG
CUSTOMER PROGRAM
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH STREET
LOS ANGELES, CA 90013

RONALD VAN DER LEEDEN
DIR. - REGULATORY AFFAIRS
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES, CA 90013

CARLOS A. H. VAQUERANO
EXECUTIVE DIR.
SALVADORAN AMERICAN LEADERSHIP
1625 WEST OLYMPIC BLVD.
LOS ANGELES, CA 90015
FOR: SALVADORAN AMERICAN LEADERSHIP AND
EDUCATIONAL FUND (SALEF)

DAVID A. COHEN
CENTER FOR SUSTAINABLE ENERGY
617 WEST 7TH STREET, SUITE 305
LOS ANGELES, CA 90017

JAY LUBOFF
ASSOC DIR - ENERGY
NAVIGANT
515 S. FLOWER STREET, STE. 3500
LOS ANGELES, CA 90071

MABELL GARCIA PAINE
PRINCIPAL
ICF INTERNATIONAL
601 W 5TH STREET, STE. 900
LOS ANGELES, CA 90071

LENA LUNA
SR. ENERGY PROJECT MGR.
SO. BAY CITIES COUNCIL OF GOVERNMENTS
20285 S. WESTERN AVE., STE. 100
TORRANCE, CA 90501

INGER GOODMAN
REGULATORY AFFAIRS MANAGER
COMMERCE ENERGY, INC.
6 CENTERPOINTE DRIVE, STE. 750
LA PALMA, CA 90623

AARON KLEMM
CHIEF, ENERGY & SUSTAINABILITY
CALIFORNIA STATE UNIVERSITY
401 GOLDEN SHORE
LONG BEACH, CA 90802-4210

GREGORY S.G. KLATT
ATTORNEY
DOUGLASS & LIDDELL
4766 PARK GRANADA, STE. 209
CALABASAS, CA 91302

CASE ADMINISTRATION
SOUTHERN CALIFORNIA EDISON COMPANY
8631 RUSH STREET
ROSEMEAD, CA 91770

CHARISSE BURNETT
SO. CALIFORNIA EDISON COMPANY
1515 WALNUT GROVE AVENUE, 4TH FLR
ROSEMEAD, CA 91770

FRANK W. HARRIS
REGULATORY ECONOMIST
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE
ROSEMEAD, CA 91770

JANET COMBS, ESQ.
SR. ATTORNEY
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

LISA TOBIAS
PARALEGAL
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE., PO BOX 800
ROSEMEAD, CA 91770

RICHARD SPERBERG
ONSITE ENERGY CORP.
2701 LOKER AVE. W., STE. 107
CARLSBAD, CA 92010

DONALD C. LIDDELL
ATTORNEY
DOUGLASS & LIDDELL
2928 2ND AVENUE
SAN DIEGO, CA 92103

LESLIE OWASHI
SR. CONSULTANT
DNV GL - ENERGY
3605 FIFTH AVE.
SAN DIEGO, CA 92103
FOR: KEMA SERVICES INC.

ANNLYN M. FAUSTINO
REGULATORY CASE ANALYST & SUPPORT
SDG&E/SCGC
8330 CENTURY PARK COURT, CP31E
SAN DIEGO, CA 92123

DEAN A. KINPORTS
REGULATORY CASE MGR.
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32F
SAN DIEGO, CA 92123

JOSHUA THOMPSON
SAN DIEGO GAS & ELECTRIC COMPANY
8690 BALBOA AVE
SAN DIEGO, CA 92123

ROLAND G MOLLEN
SAN DIEGO GAS & ELECTRIC COMPANY
8690 BALBOA AVE
SAN DIEGO, CA 92123

CENTRAL FILES
 SAN DIEGO GAS & ELECTRIC COMPANY
 8330 CENTURY PARK CT, CP31-E
 SAN DIEGO, CA 92123-1530

ATHENA BESA
 CUSTOMER PROGRAMS & POLICY MANAGER
 SAN DIEGO GAS & ELECTRIC COMPANY
 8335 CENTURY PARK COURT, CP12H
 SAN DIEGO, CA 92123-1569

PAUL MARCONI
 BEAR VALLEY ELECTRIC SERVICE
 42020 GARSTIN DRIVE, PO BOX 1547
 BIG BEAR LAKE, CA 92315

ARLIS REYNOLDS
 THE CADMUS GROUP, INC.
 4 VENTURE
 IRVINE, CA 92618

SHEENA TRAN
 ICF INTERNATIONAL
 1 ADA, SUITE 100
 IRVINE, CA 92618

JEFF HIRSCH
 JAMES J. HIRSCH & ASSOCIATES
 12185 PRESILLA ROAD
 SANTA ROSA VALLEY, CA 93012-9243

JOHN AVINA
 ABRAXAS ENERGY CONSULTING, LLC
 811 PALM STREET
 SAN LUIS OBISPO, CA 93401

DEEANN TOZLIAN
 STRATEGIC PLANNING RESEARCH MGR
 RICHARD HEATH & ASSOCIATES, INC.
 590 W LOCUST AVENUE, SUITE 103
 FRESNO, CA 93650

ANDREW YIP
 MGR - BUS. DEVELOPMENT (RBNA/PJ-BGT)
 ROBERT BOSCH LLC
 101 JEFFERSON DRIVE
 MENLO PARK, CA 94025

STEPHEN STOLTE
 COORDINATOR - OFFICE OF SUSTAINABILITY
 COUNTY OF SAN MATEO
 400 COUNTY CENTER
 REDWOOD CITY, CA 94063

NICK BROD
 CLEARESULT
 1100 GRUNDY LANE, STE. 100
 SAN BRUNO, CA 94066

KATHLEEN BRYAN
 S.F. DEPT. OF THE ENVIRONMENT
 1455 MARKET STREET, SUITE 1200
 SAN FRANCISCO, CA 94102

CLEANPOWERSF REGULATORY
 SFPUC
 525 GOLDEN GATE AVE.
 SAN FRANCISCO, CA 94102

ANN KELLY
 DEPARTMENT OF THE ENVIRONMENT
 CITY & COUNTY OF SAN FRANCISCO
 1145 MARKET STREET, SUITE 1200
 SAN FRANCISCO, CA 94103

CAL BROOMHEAD
 DEPT OF ENVIRONMENT, ENERGY SECTION
 CITY AND COUNTY OF SAN FRANCISCO
 1145 MARKET STREET, SUITE 1200
 SAN FRANCISCO, CA 94103

ELISE TORRES
 STAFF ATTORNEY
 THE UTILITY REFORM NETWORK
 785 MARKET STREET, SUITE 1400
 SAN FRANCISCO, CA 94103

JEFF GUILD
 ENOVITY, INC.
 100 MONTGOMERY STREET, SUITE 600
 SAN FRANCISCO, CA 94104
 FOR: ENOVITY, INC.

KATY MORSONY
 ALCANTAR & KAHL
 345 CALIFORNIA STREET, STE. 2450
 SAN FRANCISCO, CA 94104
 FOR: ENERGY PRODUCERS AND USERS
 COALITION

AMUL SATHE
 NAVIGANT CONSULTING
 1 MARKET ST., SPEAR TOWER STE.1200
 SAN FRANCISCO, CA 94105

AMY BARR
 PACIFIC GAS AND ELECTRIC COMPANY
 77 BEALE STREET, MC B23A
 SAN FRANCISCO, CA 94105
 FOR: PACIFIC GAS AND ELECTRIC COMPANY

BRUCE PERLSTEIN
 DIRECTOR, ADVISORY
 KPMG LLP
 55 SECOND ST., STE. 1400
 SAN FRANCISCO, CA 94105

CARA GOLDENBERG
 DIAN GRUENEICH CONSULTING, LLC
 201 MISSION STREET, SUITE 1200
 SAN FRANCISCO, CA 94105

DEREK JONES
 NAVIGANT CONSULTING, INC.
 ONE MARKET ST., SPEAR TOWER, SUITE 1200
 SAN FRANCISCO, CA 94105

DUSTIN C. ELLIOTT
 ATTORNEY
 MORRISON & FOERSTER LLP
 425 MARKET STREET
 SAN FRANCISCO, CA 94105

JULIA LIBERZON
 CASE MGR.
 PACIFIC GAS AND ELECTRIC COMPANY
 77 BEALE STREET, B9A
 SAN FRANCISCO, CA 94105

MARY A. GANDESBERY, ESQ.
 ATTORNEY
 PACIFIC GAS AND ELECTRIC COMPANY
 77 BEALE STREET, MS-B30A / PO BOX 7442
 SAN FRANCISCO, CA 94105
 FOR: PACIFIC GAS & ELECTRIC COMPNANY

MARY ANDERSON
 PACIFIC GAS & ELECTRIC COMPANY
 245 MARKET STREET, N4Q
 SAN FRANCISCO, CA 94105

MATTHEW H. LEWIS
 PACIFIC GAS & ELECTRIC COMPANY
 77 BEALE ST, B27L
 SAN FRANCISCO, CA 94105

MUSHTAQ AHMAD
 NEXANT, INC.
 101 SECOND STREET
 SAN FRANCISCO, CA 94105

PRISCILLA JOHNSON
 PACIFIC GAS & ELECTRIC COMPANY
 245 MARKET STREET, N4Q
 SAN FRANCISCO, CA 94105

RACHEL SACKMAN
 STRATEGIC ANALYST
 PACIFIC GAS & ELECTRIC COMPANY
 245 MARKET STREET, NQ4
 SAN FRANCISCO, CA 94105

TERRY FRY
 VP, ENERGY MANAGEMENT
 NEXANT INC
 101 2ND STREET, 10TH FLOOR
 SAN FRANCISCO, CA 94105

CHARLIE BUCK
 MGR, MARKET DEV. & REGULATORY AFFAIRS
 ORACLE / OPOWER
 WEST DIVISION
 680 FOLSOM STREET, 3RD FLOOR
 SAN FRANCISCO, CA 94107

FRANCESCA WAHL
 DEPUTY DIR - POLICY & ELECTRICITY MKTS
 SOLARCITY CORPORATION
 444 DE HARO ST., STE. 101
 SAN FRANCISCO, CA 94107

SAMUEL GOLDING
 PRESIDENT
 COMMUNITY CHOICE PARTNERS, INC.
 58 MIRABEL AVENUE

JILL N. JAFFE
 NOSSAMAN LLP
 50 CALIFORNIA STREET, 34TH FLOOR
 SAN FRNACISCO, CA 94111

SAN FRANCISCO, CA 94110

MICAH FULLER
PG&E
245 MARKET STREET
SAN FRANCISCO, CA 94111

SAMUEL P. KRASNOW
V.P. - REGULATORY AFFAIRS
FIRSTFUEL SOFTWARE, INC.
ONE EMBARCADERO CENTER, SE. 1150
SAN FRANCISCO, CA 94111

MARTIN MATTES
NOSSAMAN LLP
50 CALIFORNIA STREET, STE. 3400
SAN FRANCISCO, CA 94111-4799

ALEJANDRA M. CUNNINGHAM
2298 FULTON STREET
SAN FRANCISCO, CA 94117

ALEJANDRA MEJIA
FUTURE ENERGY ENTERPRISES-CAL.TECH. FORM
2298 FULTON STRET
SAN FRANCISCO, CA 94117

CALIFORNIA ENERGY MARKETS
425 DIVISADERO ST STE 303
SAN FRANCISCO, CA 94117-2242

MEGAN M. MYERS
ATTORNEY
LAW OFFICES OF SARA STECK MYERS
122 - 28TH AVENUE
SAN FRANCISCO, CA 94121

SARA STECK MYERS
ATTORNEY AT LAW
LAW OFFICES OF SARA STECK MYERS
122 28TH AVENUE
SAN FRANCISCO, CA 94121
FOR: ENERNOC, INC.

RICK COUNIHAN
NEST LABS, INC.
3400 HILLVIEW AVENUE
PALO ALTO, CA 94304

DIAN GRUENEICH
STANFORD UNIVERSITY
473 VIA ORTEGA, ROOM 387
STANFORD, CA 94305

DAVID SIDDIQUI
DIRECTOR
CLEARESULT
1710 S. AMPHLETT BLVD., STE. 340
SAN MATEO, CA 94402
FOR: CLEARESULT

BONNIE DATTA
SIEMENS USA
4000 E. THIRD AVENUE
FOSTER CITY, CA 94404

DORAN MEAGHAN
MCE CLEAN ENERGY
781 LINCOLN AVE., STE. 320
SAN RAFAEL, CA 94553

ANDREW MEIMAN, PE
PRINCIPAL
ARC ALTERNATIVES
144 DONALD DRIVE
MORAGA, CA 94556

JAMES E. MCMAHON
FOUNDING DIRECTOR
BETTER CLIMATE RESEARCH/POL. ANALYSIS
138 BROOKFIELD DR.
MORAGA, CA 94556-1747

DAVID DIAS
BUSINESS REP.
SHEET METAL WORKERS LOCAL 104
2610 CROW CANYON ROAD
SAN RAMON, CA 94583
FOR: JOINT COMMITTEE ON ENERGY AND
ENVIRONMENTAL POLICY (JCEEP)

ROBERT FRIED

FLOYD KENEIPP

ATKINSON, ANDELSON, LOYA, RUUD & ROMO
5075 HOPYARD ROAD, SUITE 210
PLEASANTON, CA 94588

TIERRA RESOURCE CONSULTANTS, INC.
1200 MT. DIABLO BLVD., STE. 208
WALNUT CREEK, CA 94596

DAVID THAYER
PACIFIC GAS AND ELECTRIC COMPANY
245 MARKET STREET, MC N6G
SAN FRANCISCO, CA 94602

CHRIS ANN DICKERSON
CAD CONSULTING
720B CANYON OAKS DR.
OAKLAND, CA 94605

ALLAN ROBLES
LUCID
304 12TH STREET, SUITE 3C
OAKLAND, CA 94607

ALEX CHASE
DIR
COHEN VENTURES INC.
449 15TH STREET
OAKLAND, CA 94610
FOR: COHEN VENTURES INC. DBA ENERGY
SOLUTIONS

CARMEN HENRIKSON
ASSOCIATE V.P., STRATEGY
TRC SOLUTIONS
436 14TH STREET, SUITE 1020
OAKLAND, CA 94612

FRED COITO
DNV GL
155 GRAND AVENUE, SUITE 500
OAKLAND, CA 94612

HANNAH ARNOLD
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

JENNIFER E. CANSECO
HEAD OF SECTION, MARKET WEST
DNV GL
155 GRAND AVE., STE. 500
OAKLAND, CA 94612

JENNIFER MITCHELL-JACKSON
PARTNER
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

MARGIE GARDNER
EXECUTIVE DIRECTOR
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL
436 14TH STREET, SUITE 1020
OAKLAND, CA 94612
FOR: CALIFORNIA ENERGY EFFICIENCY
INDUSTRY COUNCIL

MARY SUTTER
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

MIKHAIL HARAMATI
ASSOCIATE
OPINION DYNAMICS CORPORATION
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

NINA MERCHANT-VEGA
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

OLIVIA PATTERSON
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND, CA 94612

SEPIDEH SHAHINFARD
THE CADMUS GROUP, INC.
1901 HARRISON ST., NO. 1100
OAKLAND, CA 94612

STEPHANIE WANG
SR. POLICY ATTORNEY
CENTER FOR SUSTAINABLE ENERGY
426 17TH STREEET, SUITE 700
OAKLAND, CA 94612

TAMI BUHR
 OPINION DYNAMICS
 1999 HARRISON ST., STE. 1420
 OAKLAND, CA 94612

TED POPE
 VICE PRESIDENT
 ENERGY SOLUTION
 449 15TH STREET
 OAKLAND, CA 94612

TIM LINDL
 COUNSEL
 KEYES & FOX LLP
 436 14TH STREET, STE. 1305
 OAKLAND, CA 94612

MELISSA KASNITZ
 ATTORNEY
 CENTER FOR ACCESSIBLE TECHNOLOGY
 3075 ADELINE STREET, STE. 220
 BERKELEY, CA 94703

STEVE KROMER
 SKEE
 1911 9TH STREET B
 BERKELEY, CA 94710

EDWARD VINE
 LAWRENCE BERKELEY NATIONAL LABORATORY
 BUILDING 90-2002
 BERKELEY, CA 94720-8136

DANIEL GENTER
 CUSTOMER PROGRAMS SPECIALIST
 MARINE CLEAN ENERGY
 1125 TAMALPAIS AVE.
 SAN RAFAEL, CA 94901

JOHN PROCTOR
 PROCTOR ENGINEERING GROUP, LTD
 418 MISSION AVENUE
 SAN RAFAEL, CA 94901

MARTHA SERIANZ
 LEGAL OPERATIONS MGR.
 MARIN CLEAN ENERGY
 1125 TAMALPAIS AVENUE
 SAN RAFAEL, CA 94901

NATHANIEL MALCOLM
 REGULATORY LAW CLERK
 MARIN CLEAN ENERGY
 1125 TAMALPAIS AVENUE
 SAN RAFAEL, CA 94901

SHALINI SWAROOP
 REGULATORY & LEGISLATIVE COUNSEL
 MARIN CLEAN ENERGY
 1125 TAMALPAIS AVENUE
 SAN RAFAEL, CA 94901

HANK RYAN
 EXECUTIVE DIR.
 SMALL BUSINESS CALIFORNIA (SB CALIF.)
 750 - 47TH AVE., NO. 56
 CAPITOLA, CA 95010

JENNIFER HOLMES
 INDEPENDENT CONSULTANT
 PO BOX 4235
 SANTA CRUZ, CA 95063

NATALIE DE LEON
 COUNTY OF SANTA CLARA
 70 W. HEDDING
 SAN JOSE, CA 95110

DAVID REYNOLDS
 ERS
 152 N. 3RD STREET, SUITE 520
 SAN JOSE, CA 95112

JUSTIN P. LEVEQUE
 CITY OF SAN JOSE-ENVIRONMENTAL SVCS DEPT
 200 EAST SANTA CLARA STREET, 10TH FL.
 SAN JOSE, CA 95113

JANET FERRARI
 COMMERCIAL TEAM MANAGER
 CONSOL
 5757 PACIFIC AVENUE, SUITE 220
 STOCKTON, CA 95207

LAUREN CASEY
 CLIMATE PROTECTION ROGRAM MANAGER
 SCTA/RCPA
 490 MENDOCINO AVE., STE. 206
 SANTA ROSA, CA 95401

ANNE ARQUIT NIEDERBERGER
POLICY SOLUTIONS
218 FOSS CREEK CIRCLE
HEALDSBURG, CA 95448

KRISTIN HEINEMEIER
WESTERN COOLING EFFICIENCY CENTER
UNIVERSITY OF CALIFORNIA - DAVIS
215 SAGE ST., SUITE 100
DAVIS, CA 95616

SMITA GUPTA
SR. ENERGY CONSULTANT
ITRON, INC.
330 MADSON PLACE
DAVIS, CA 95618-6599

DELPHINE HOU
CALIF. INDEPENDENT SYSTEMS OPERATOR
250 OUTCROPPING WAY
FOLSOM, CA 95630

JORDAN PINJUV
COUNSEL
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM, CA 95630

CAMILLE STOUGH, ESQ.
BRAUN BLAISING MCLAUGHLIN & SMITH PC
915 L STREET, STE. 1480
SACRAMENTO, CA 95814

JOSEPH OLDHAM
LOCAL GOVERNMENT COMMISSION
1303 J STREET, STE. 250
SACRAMENTO, CA 95814

ROBERT CASTANEDA
PROTEUS, INC.
1830 N. DINUBA BLVD.
VISALIA, CA 95814
FOR: PROTEUS, INC.

SARAH TAHERI
SO. CALIF. PUBLIC POWER AUTHORITY
915 L STREET, STE. 1410
SACRAMENTO, CA 95814
FOR: SOUTHERN CALIFORNIA PUBLIC POWER
AUTHORITY (SCPPA)

SCOTT BLAISING
ATTORNEY
BRAUN BLAISING MCLAUGHLIN & SMITH, P.C.
915 L STREET, STE. 1480
SACRAMENTO, CA 95814

STEVE SANDERS
PROGRAM DIRECTOR
INSTITUTE FOR LOCAL GOVERNMENT
1400 K STREET, SUITE 205
SACRAMENTO, CA 95814

STEVEN KELLY
POLICY DIRECTOR
INDEPENDENT ENERGY PRODUCERS ASSCIATION
1215 K STREET, STE. 900
SACRAMENTO, CA 95814

TONY BRUNELLO
GREEN TECHNOLOGY LEADERSHIP GROUP
980 9TH STREET, SUITE 2000
SACRAMENTO, CA 95814
FOR: MISSION: DATA

DANIEL L. CARDOZO
ADAMS BROADWELL JOSEPH & CARDOZO
520 CAPITOL MALL, STE. 350
SACRAMENTO, CA 95814-4715

RONALD LIEBERT
ATTORNEY AT LAW
ELLISON SCHNEIDER HARRIS & DONLAN LLP
2600 CAPITOL AVENUE, STE. 400
SACRAMENTO, CA 95816

ROB NEENAN
CALIFORNIA LEAGUE OF FOOD PROCESSORS
1755 CREEKSIDE OAKS DRIVE, SUITE 250
SACRAMENTO, CA 95833

ANN L. TROWBRIDGE
ATTORNEY
DAY CARTER & MURPHY LLP

JASON GREGORY
ENERGYSAVVY
205 SE SPOKANE ST., STE. 300

3620 AMERICAN RIVER DRIVE, SUITE 205
SACRAMENTO, CA 95864

PORTLAND, OR 97202

DONALD BROOKHYSER
ALCANTAR & KAHL LLP
121 S.W. SALMON ST., STE. 1100
PORTLAND, OR 97204

DULANE MORAN
NEXANT
317 SW ALDER ST., STE. 1000
PORTLAND, OR 97204

DON JONES, JR.
PACIFICORP
825 NE MULTNOMAH, STE. 1500
PORTLAND, OR 97232

ELI MORRIS
PACIFICORP
825 NE MULTNOMAH, STE. 1500
PORTLAND, OR 97232

JOHN W. GOULD
CAL-UCONS, INC.
5737 SW 18TH AVE.
PORTLAND, OR 97239

MICHAEL RICHARDSON
VP - GLOBAL PROGRAM OPERATIONS
TRANSFORMATIVE WAVES
1012 CENTRAL AVE. SOUTH
KENT, WA 98032

JENNIFER HOLMES
ENERGY MARKET INNOVATIONS (EMI)
83 COLUMBIA ST., STE/ 400
SEATTLE, WA 98104

State Service

AVA N. TRAN
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

CARMEN BEST
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

CATHLEEN A. FOGEL
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

CHRISTOPHER MYERS
CALIFORNIA PUBLIC UTILITIES COMMISSION
OFFICE OF RATEPAYER ADVOCATES
EMAIL ONLY
EMAIL ONLY, CA 00000

DANIEL BUCH
REGULATORY ANALYST
CPUC - ORA
EMAIL ONLY
EMAIL ONLY, CA 00000

DAVID ISMAILYAN
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

DINA MACKIN
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

FRANK ALAN REYNOLDS
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

HAZLYN FORTUNE
A.L.J. PRO TEM

JEANNE CLINTON
CPUC - EXEC. DIV

CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

EMAIL ONLY
EMAIL ONLY, CA 00000

GEORGE S. TAGNIPES
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

JEREMY BATTIS
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

KATHERINE HARDY
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

KATIE WU
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

KAYODE KAJOPAIYE
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

LISA PAULO
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

MARTHA BROOK
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHAEL COLVIN
CPUC - POLICY & PLANNING
EMAIL ONLY
EMAIL ONLY, CA 00000

MONA DEE DZVOVA
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

PATRICK SAXTON
ADVISOR TO COMM. ANDREW MCALLISTER
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

PAULA GRUENDLING
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

PETER FRANZESE
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

PETER LAI
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

PETER SKALA
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY, CA 00000

RORY COX
CPUC
EMAIL ONLY
EMAIL ONLY, CA 00000

TORY FRANCISCO
ENERGY
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY, CA 00000

ALEXANDER COLE
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY PRICING AND CUSTOMER PROGRAM
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ALEXANDER MERIGAN
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

FOR: ORA

HAL KANE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JENNIFER KALAFUT
CALIF PUBLIC UTILITIES COMMISSION
COMMISSIONER PETERMAN
ROOM 5303
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JULIE A. FITCH
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 5019
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

LOLA ODUNLAMI
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MARIA AMPARO WORSTER
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MARNA ANNING
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MARYAM GHADDESSI
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MARYAM MOZAFARI
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

PETER BIERMAYER
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
ROOM 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

REESE ROGERS
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ROBERT HANSEN
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
AREA 2-C
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ROSANNE O'HARA
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

STANLEY KUAN
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY PRICING AND CUSTOMER PROGRAM
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

VALERIE KAO
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
AREA
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ZHEN ZHANG
CALIF PUBLIC UTILITIES COMMISSION

CYNTHIA ROGERS
CALIFORNIA ENERGY COMMISSION

LEGAL DIVISION
ROOM 5130
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: ORA

1516 9TH STREET, MS-22
SACRAMENTO, CA 95814

DEANA J. CARRILLO
EXE. DIR
CAEATFA
915 CAPITOL MALL
SACRAMENTO, CA 95814
FOR: CALIFORNIA ALTERNATIVE ENERGY &
ADVANCED TRANSPORTATION FINANCING
AUTHORITY (CAEATFA)

ERIK JENSEN
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET
SACRAMENTO, CA 95814

KEVIN FEIZI
CALIF PUBLIC UTILITIES COMMISSION
ENERGY EFFICIENCY BRANCH
770 L Street, Suite 1250
Sacramento, CA 95814

MIKHAIL HARAMATI
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
300 Capitol Mall
Sacramento, CA 95814

MIRIAM JOFFE-BLOCK
PROGRAM MGR.
CAEATFA
801 CAPITOL MALL
SACRAMENTO, CA 95814
FOR: CALIFORNIA ALTERNATIVE ENERGY AND
ADVANCED TRANSPORTATION FINANCING
AUTHORITY (CAEATFA); CALIF. HUB FOR
ENERGY EFFICIENCY FINANCE (CHEEF)

WILLIAM DIETRICH
MGR. - EFFICIENCY DIV.
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-26
SACRAMENTO, CA 95814-5512

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