BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA


ORDER INSTITUTING RULEMAKING
# Table of Contents

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORDER INSTITUTING RULEMAKING</td>
<td>1</td>
</tr>
<tr>
<td>Summary</td>
<td>2</td>
</tr>
<tr>
<td>1. Background: Assembly Bill (AB) 327 (Perea, 2013)</td>
<td>2</td>
</tr>
<tr>
<td>2. A New Framework for Distribution Planning</td>
<td>2</td>
</tr>
<tr>
<td>3. Preliminary Scope</td>
<td>4</td>
</tr>
<tr>
<td>3.1. Questions</td>
<td>6</td>
</tr>
<tr>
<td>3.2. Safety and Distributed Resource Planning Proposals</td>
<td>8</td>
</tr>
<tr>
<td>4. Preliminary Schedule and Initial Comments</td>
<td>10</td>
</tr>
<tr>
<td>5. Proceeding Category and Need for Hearing</td>
<td>11</td>
</tr>
<tr>
<td>6. Respondents</td>
<td>12</td>
</tr>
<tr>
<td>7. Service List</td>
<td>12</td>
</tr>
<tr>
<td>8. Addition to Official Service List</td>
<td>13</td>
</tr>
<tr>
<td>9. Subscription Service</td>
<td>14</td>
</tr>
<tr>
<td>10. Public Advisor</td>
<td>14</td>
</tr>
<tr>
<td>11. Intervenor Compensation</td>
<td>15</td>
</tr>
<tr>
<td>12. <em>Ex Parte</em> Communications</td>
<td>15</td>
</tr>
<tr>
<td>ORDER</td>
<td>15</td>
</tr>
</tbody>
</table>

Appendix A – Distribution Resource Plan Code Section 769
Appendix B – Mr. DeMartini’s paper
Appendix C – Temporary Service List
Appendix D – Load-Serving Entities Service List
ORDER INSTITUTING RULEMAKING

Summary

This rulemaking is opened to establish policies, procedures, and rules to guide California investor-owned electric utilities (IOUs) in developing their Distribution Resources Plan Proposals, which they are required by Public Utilities Code Section 769 to file by July 1, 2015. This rulemaking also will evaluate the IOUs’ existing and future electric distribution infrastructure and planning procedures with respect to incorporating Distributed Energy Resources into the planning and operation of their electric distribution systems.

1. Background: Assembly Bill (AB) 327 (Perea, 2013)

AB 327 is a multi-part bill that affects multiple aspects of the provision of regulated utility service and of the energy market, including Net Energy Metering, the Renewables Portfolio Standard, natural gas and electricity rates, and electricity resources. This rulemaking focuses on Public Utilities Code Section 769, which addresses the investor-owned electric utilities (IOUs’) electric distribution planning and the Commission’s obligation to review, modify, and approve the IOUs’ Distribution Resources Plan Proposals (DRPs). Appendix A to this rulemaking provides the full text of Section 769.


Since 2001, the Public Utilities Code has provided that “[e]ach electrical corporation, as part of its distribution planning process, shall consider nonutility owned distributed energy resources as a possible alternative to investments in its distribution system in order to ensure reliable electric service at the lowest

1 Section 769 was added to the Public Utilities Code by Assembly Bill 327 (Stats. 2013, ch. 611).
possible cost.”

In addition, between 2001 and the present, the Commission has developed policies that engaged and promoted ever greater quantities of Distributed Energy Resources (DERs) located within the IOU distribution system. In recognition that traditional distribution system planning is limited in its ability to support State policies on DERs and emerging technologies, the Legislature passed AB 327. Section 769 requires IOUs to submit DRPs that recognize, among other things, the need for investment to integrate cost-effective DERs and for actively identifying barriers to the deployment of DERs such as safety standards related to technology or operation of the distribution circuit. Notably, the Commission is authorized to modify and approve an IOU’s DRP “as appropriate to minimize overall system costs and maximize ratepayer benefit from investments in distributed resources.”

Giving full effect to Section 769 is not a straightforward undertaking. This rulemaking will consider an appropriate vision or set of principles to guide the IOUs’ development of their DRP proposals.

In September 2013, drawing upon previous efforts of the Governor’s Office and industry stakeholders, a small group of interested scholars, industry experts, and legislators gathered to develop a list of topics for potential use as a framework to provide recommendations in shaping the future of the State’s energy infrastructure. Subsequently, one of the participants, Paul DeMartini, developed a draft framework paper titled “More than Smart: A Framework to Make the Distribution Grid More Open, Efficient and Resilient.”

---

2 Section 353.5.
3 Section 769(c).
4 Managing Director, Northpoint Energy Advisors LLC.
On June 9, 2014, a similar group of stakeholders met to further discuss the More than Smart paper. Based on these secondary conversations, Mr. DeMartini revised the More than Smart paper and put it forward for public consumption and comment. Mr. DeMartini’s paper (Appendix B) provides both a basis for questions to be asked in this rulemaking and a useful framework from which this rulemaking will establish policies, procedures, and rules for the development of the IOUs’ DRPs.

3. Preliminary Scope

The purpose of this rulemaking is to guide the IOUs in the development of their DRPs and to review, approve or modify and approve the plans as envisioned in AB 327. The rulemaking will consider providing guidance to the utilities for incorporating any additional spending necessary to integrate cost-effective distributed resources into its distributed energy plans for consideration in subsequent general rate case (GRC) requests, as specified by Section 769(d).

The goal of these plans is to begin the process of moving the IOUs towards a more full integration of DERs into their distribution system planning, operations and investment. Specifically, Section 769 requires that the DRPs must provide a roadmap for integrating cost-effective DERs into the planning and operations of IOUs’ electric distribution systems with the goal of yielding net benefits to ratepayers.

In their DRPs, the IOUs are required to define the criteria for determining what constitutes an optimal location for the deployment of DERs, and then identifying specific locational values for DERs. To this end, the IOUs must include in their DRPs methodologies to define locational benefits and optimal locations for DERs, augmented or new tariffs and programs to support efficient
DER deployment, and the removal of specific barriers to deployment of DERs. In this context, the preliminary scope of this proceeding is to:

1) Define principles and develop parameters to guide the development of the DRPs;

2) Consider the safety issues that arise from changes to the utility practices of distribution resource planning;

3) Develop a calculation methodology for assessing locational value of a particular DER;

4) Delineate how IOUs can more fully integrate DERs into distribution planning. Specifically, the IOUs should propose or identify standard tariffs, contracts, or other mechanisms for the deployment of cost-effective distributed resources that satisfy distribution planning objectives.

5) Identify methodologies for assessing whether DERs provide distribution reliability benefits;

6) Integrate DERs into distribution system planning and operations; Specifically, propose cost-effective methods of effectively coordinating existing commission-approved programs, incentives, and tariffs to maximize the locational benefits and minimize the incremental costs of distributed resources.

7) Define a set of scenarios and/or guidelines that will serve to test whether a specific DER integration strategy will work and clarify assumptions embedded in the DRPs;

8) Identify any additional utility spending necessary to integrate cost-effective distributed resources into distribution planning consistent with the goal of yielding net benefits to ratepayers.

9) Identify barriers to the deployment of distributed resources, including, but not limited to, safety standards related to technology or operation of the distribution circuit in a manner that ensures reliable service.

10) Review, approve, or modify and approve DRPs.
11) Consider further actions, if needed, to comply with Section 769 and to establish policy and performance guidelines that enable electric utilities to develop and implement DRPs. Specifically the proceeding shall determine how any electrical corporation spending on distribution infrastructure necessary to accomplish the distribution resources plan shall be proposed and considered as part of the next general rate case for the corporation.

We note that the Commission may approve proposed spending in the GRC if it concludes that ratepayers would realize net benefits and the associated costs are just and reasonable. The Commission, in this proceeding, may also adopt criteria, benchmarks, and accountability mechanisms to evaluate the success of any investment authorized pursuant to a distribution resources plan.

3.1. Questions

To address the issues delineated above, we pose the following questions for all interested parties to comment on (please limit responses to questions 1-15 to no more than 1 page per question and no more than 3 pages for question 16):

1) What specific criteria should the Commission consider to guide the IOUs’ development of DRPs, including what characteristics, requirements and specifications are necessary to enable a distribution grid that is at once reliable, safe, resilient, cost-efficient, open to distributed energy resources, and enables the achievement of California’s energy and climate goals?

2) What specific elements must a DRP include to demonstrate compliance with the statutory requirements for the plan adopted in AB 327?

3) What specific criteria should be considered in the development of a calculation methodology for optimal locations of DERs?
4) What specific values should be considered in the development of a locational value of DER calculus? What is optimal means of compensating DERs for this value?

5) What specific considerations and methods should be considered to support the integration of DERs into IOU distribution planning and operations?

6) What specific distribution planning and operations methods should be considered to support the provision of distribution reliability services by DERs?

7) What types of benefits should be considered when quantifying the value of DER integration in distribution system planning and operations?

8) What criteria and inputs should be considered in the development of scenarios and/or guidelines to test the specific DER integration strategies proposed in the DRPs?

9) What types of data and level of data access should be considered as part of the DRP?

10) Should the DRPs include specific measures or projects that serve to demonstrate how specific types of DER can be integrated into distribution planning and operation? If so, what are some examples that IOUs should consider?

11) What considerations should the Commission take into account when defining how the DRPs should be monitored over time?

12) What principles should the Commission consider in setting criteria to govern the review and approval of the DRPs?

13) Should the DRPs include discussion of how ownership of the distribution may evolve as DERs start to provide distribution reliability services? If so, briefly discuss those areas where utility, customer and third party ownership are reasonable?

14) What specific concerns around safety should be addressed in the DRPs?

15) What, if any, further actions, should the Commission consider to comply with Section 769 and to establish policy
and performance guidelines that enable electric utilities to develop and implement DRPs? Attachment 1 to this order is a complete copy of AB 327 as enacted.

16) Appendix B to this rulemaking is a white paper that articulates one potential set of criteria that could govern the IOUs DRPs. Please review the attached paper and answer the following questions:

- Integrated Grid Framework: the paper opens by presenting an ‘Integrated Grid Framework,’ what additions or modifications would you suggest be made to this framework?
- Integrated Distribution Planning: what, if any, additions or modifications would you suggest to the Integrated Distribution Planning section of this paper?
- Distribution System Design-Build: what, if any, additions or modifications would you suggest to the Distribution System Design-Build section of this paper?
- Integrated Distribution System Operations: what, if any, additions or modifications would you suggest to the Integrated Distribution System Operations section of this paper?
- Integration of DER into Operations: what, if any, additions or modifications would you suggest to the Integration of DER into Operations section of this paper?
- Integrated Grid Roadmap: what, if any, additions or modifications would you suggest to the Integrated Grid Roadmap section of this paper?

3.2. Safety and Distributed Resource Planning Proposals

The Commission is committed to ensuring full consideration of safety issues and practices related to its policies and proceedings, and promoting improvements in safety of all regulated utilities and entities. Prospective changes to distribution planning processes, as contemplated in this rulemaking,
must take into account the safety of utility personnel, first responders, inspectors, installers and end-users. This is especially true given that there will be more opportunities in the future for customers to seek interconnection of new devices and technologies to the distribution system, and there may be increased involvement of non-utility personnel in the installation and operations of such equipment. Along with efforts to incorporate Safety and Reliability Risk Assessment in the context of GRCs (in Rulemaking (R.) 13-11-006), and in compliance with various general orders, this rulemaking provides another excellent opportunity to incorporate safety measures into the planning process for distribution utilities.

The distribution grid planning process reevaluation will look at how to identify risks, discuss how they may be addressed in the context of DER Plans, and ensure that DER Plans filed by the utilities specifically and comprehensively address safety.

This proceeding may also need to consider how utility reliability, as experienced by customer outages, may be affected by the introduction of higher penetrations of DERs.

Global climate change is one of the most significant long-term safety challenges facing California. In this context, the relative greenhouse gas (GHG) reduction impact of policies that the Commission considers fits into the rubric of safety considerations. As such, this proceeding may also explore the relationship between DER deployment, the DER Plans and California’s GHG emissions reductions targets.

This proceeding will also be a forum at discussing how safety concerns can become an impediment to the adoption of new technologies that may pose any threat to utility safety. The proceeding may need to consider how best to ensure
the need for safety while also providing an opportunity for the grid to adapt to large penetrations of new DERs.

4. Preliminary Schedule and Initial Comments

The schedule for this proceeding is stated below in Table 1:

**Table 1**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 14, 2014</td>
<td>Issuance of Order Instituting Rulemaking</td>
</tr>
<tr>
<td>September 5, 2014</td>
<td>Interested parties file responses to the questions above, as well as any comments addressing scope, schedule, and other procedural issues</td>
</tr>
<tr>
<td>September 17, 2014</td>
<td>Energy Division Workshop</td>
</tr>
<tr>
<td>September 22, 2014</td>
<td>Replies to initial responses filed</td>
</tr>
<tr>
<td>To be Determined</td>
<td>Prehearing Conference</td>
</tr>
<tr>
<td>November 2014</td>
<td>Staff Proposal for Guidance on Distribution Resources Plan Proposal</td>
</tr>
<tr>
<td>November 2014</td>
<td>Workshop on Staff Proposal (if requested)</td>
</tr>
<tr>
<td>December 2014</td>
<td>Parties comments and replies on Staff Proposal</td>
</tr>
<tr>
<td>Late January 2015</td>
<td>Ruling with final Guidance on Distribution Resource Plan Proposals</td>
</tr>
<tr>
<td>July 1, 2015</td>
<td>Electric Utilities file DRPs</td>
</tr>
<tr>
<td>March 2016</td>
<td>Commission Final Approval of Distribution Resource Plan Proposals Anticipated</td>
</tr>
</tbody>
</table>

A Prehearing Conference (PHC) will be scheduled following receipt of responses and replies. The PHC will address scope and scheduling issues including whether this rulemaking should be divided into phases (for example, a
first phase could deal with establishing guiding principles for DRPs, then a second phase involve consideration of the actual plans).

In addition to their responses to the questions above, parties may address any scope and scheduling concerns in their responses and replies. Following the PHC, the Assigned Commissioner will issue a scoping ruling refining the scope and procedural schedule.

Commission staff will host an initial workshop in this proceeding on September 17, 2014. Subsequent workshops may be scheduled, as noted in the schedule above. The initial workshop will be an opportunity for staff to receive input as they prepare a Staff Proposal on Guidance on the DRPs. This document is expected to serve as a template and outline for the DRPs. The Guidance document will provide instructions to the utilities as they prepare their DRPs for submittal in mid-2015. Questions about this workshop should be directed to Arthur O’Donnell at Arthur.O’Donnell@cpuc.ca.gov.

This proceeding will conform to the statutory case management deadline for quasi-legislative matters set forth in Section 1701.5. It is our intention to issue guidance by February 2015 to allow utilities to timely file their DRPs by July 1, 2015, and for the consideration of adopting those plans no later than 18 months from the date of the assigned Commissioner’s scoping memo.

5. Proceeding Category and Need for Hearing

Rule 7.1(d) of the Commission’s Rules of Practice and Procedure (Rules) specifies that an order instituting rulemaking will preliminarily determine the category of the proceeding and the need for hearing. As a preliminary matter, we determine that this proceeding is quasi-legislative as defined in Rule 1.3(d). It appears that the issues may be resolved through comments and workshops without the need for evidentiary hearings.
Any person who objects to the preliminary categorization of this rulemaking as quasi-legislative or to the preliminary hearing determination shall state any objections and material facts they believe require a hearing in their responses to the questions herein. After considering any comments on the preliminary categorization or preliminary hearing determination, the assigned Commissioner will issue a ruling making a final category and hearing determination; this final determination as to categorization is subject to appeal as specified in Rule 7.6(a).

6. Respondents

Pacific Gas and Electric Company, Southern California Edison Company and San Diego Gas & Electric Company shall be respondents in this proceeding. Respondents shall be placed on the service list automatically as parties, but each respondent shall alert the Commission’s Process Office of the name and address and e-mail information for its representative(s) to receive service within 20 days of issuance of this rulemaking.

7. Service List

This rulemaking is served on all respondent utilities. In addition, to develop a temporary service list, this rulemaking also will be served on all Load Serving Entities listed on the Commission’s official records (Appendix D), the California Energy Commission, the California Independent System Operator, and the service lists for the following:

- R.13-09-011 (Demand Response and Advanced Metering);
- R.13-11-005 (Energy Efficiency);
- R.13-12-010 (Long-Term Procurement Rulemaking);
- R.13-11-007 (Electric Vehicles);
- R.11-10-023 (Resource Adequacy Rulemaking);
• R.08-12-009 (Smart Grid Deployment Rulemaking);
• R.12-11-005 (California Solar Initiative and Distributed Generation Rulemaking);
• R.11-09-011 (Rule 21 Interconnection Rulemaking);
• R.12-06-013 (Comprehensive Examination of Investor Owned Electric Utilities’ Residential Rate Structures, the Transition to Time Varying and Dynamic Rates, and Other Statutory Obligations); and
• Application 14-02-006, et al., (Energy Storage Procurement Applications pursuant to Decision 13-10-040).

The temporary service list is appended to this rulemaking as Appendix C and shall be used for service of all pleadings until a formal service list for this proceeding is established. Such service does not confer party status in this proceeding upon any person or entity, and does not result in that person or entity of being placed on the service list for this proceeding. All parties on the service list will be accorded service by others until final rules are proposed and/or a final decision issued. Filing and service of comments and other documents in the proceeding are governed by the rules contained in Article 1 of the Commission’s Rules of Practice and Procedure. (See particularly Rules 1.5 through 1.10 and 1.13.)

8. Addition to Official Service List

Addition to the official service list is governed by Rule 1.9(f) of the Commission’s Rules of Practice and Procedure.

Respondents are parties to the proceeding (see Rule 1.4(d)) and will be immediately placed on the official service list.

Any person will be added to the “Information Only” category of the official service list upon request, for electronic service of all documents in the proceeding, and should do so promptly in order to ensure timely service of comments and other documents and correspondence in the proceeding.
(See Rule 1.9(f).) The request must be sent to the Process Office by e-mail (process_office@cpuc.ca.gov) or letter (Process Office, California Public Utilities Commission, 505 Van Ness Avenue, San Francisco, California 94102). Please include the Docket Number of this rulemaking in the request.

Persons who file responsive comments thereby become parties to the proceeding (see Rule 1.4(a)(2)) and will be added to the “Parties” category of the official service list upon such filing. In order to assure service of comments and other documents and correspondence in advance of obtaining party status, persons should promptly request addition to the “Information Only” category as described above; they will be removed from that category upon obtaining party status.

9. Subscription Service

Persons may monitor the proceeding by subscribing to receive electronic copies of documents in this proceeding that are published on the Commission’s website. There is no need to be on the official service list in order to use the subscription service. Instructions for enrolling in the subscription service are available on the Commission’s website at http://subscribecpuc.cpuc.ca.gov/.

10. Public Advisor

Any person or entity interested in participating in this rulemaking who is unfamiliar with the Commission’s procedures should contact the Commission’s Public Advisor in San Francisco at (415) 703-2074 or (866) 849-8390 or e-mail public.advisor@cpuc.ca.gov, or in Los Angeles at (213) 576-7055 or (866) 849-8391, or e-mail public.advisor.la@cpuc.ca.gov. The TYY number is (866) 836-7825.
11. Intervenor Compensation

Pursuant to Rule 17.1, any party that expects to claim intervenor compensation for its participation in this rulemaking shall file its notice of intent to claim intervenor compensation no later than 30 days after the first PHC.

12. Ex Parte Communications

Pursuant to Rule 8.3(a) ex parte communications in this rulemaking are allowed without restriction or reporting requirement, unless and until the categorization of this proceeding, or of the applicable phase of this proceeding, is changed from quasi-legislative.

ORDER

IT IS ORDERED that:

1. A rulemaking is instituted on the Commission’s own motion to establish policies, procedures, and rules to guide California investor-owned electric utilities in filing Distribution Resources Plan Proposals pursuant to Public Utilities Code Section 769.

2. Pacific Gas and Electric Company, Southern California Edison Company, and San Diego Gas & Electric Company are named as respondents to this proceeding.

3. This proceeding is preliminarily classified as quasi-legislative, and it is preliminarily determined that evidentiary hearings will not be necessary. Any persons objecting to the preliminary categorization of this rulemaking as quasi-legislative, or to the preliminary determination that evidentiary hearings are not necessary, shall state their objections in response to this rulemaking along with their comments to the questions posed in this rulemaking.
4. Respondents shall file and interested persons or organizations are invited to file responses addressing the questions identified in this rulemaking, as well as any comments on the scope, schedule, categorization, or need for hearing by September 5, 2014. Parties shall file replies to the responses by September 22, 2014.

5. The assigned Commissioner or Administrative Law Judge may adjust the schedule identified herein and refine the scope of this proceeding as needed.

6. The Executive Director shall cause this Order Instituting Rulemaking (OIR) to be served on the Respondents, all load-serving entities listed in the Commission’s official records, the California Energy Commission, the California Independent System Operator, and the service lists for Rulemaking (R.) 13-09-011 (Demand Response and Advanced Metering), R.13-11-005 (Energy Efficiency), R.13-12-010 (Long-Term Procurement Rulemaking), R.13-11-007 (Electric Vehicles), R.11-10-023 (Resource Adequacy Rulemaking), R.08-12-009 (Smart Grid Deployment Rulemaking), R.12-11-005 (California Solar Initiative and Distributed Generation Rulemaking); R.11-09-011 (Rule 21 Interconnection Rulemaking), R.12-06-013 (Comprehensive Examination of Investor Owned Electric Utilities’ Residential Rate Structures, the Transition to Time Varying and Dynamic Rates, and Other Statutory Obligations) and Application 14-02-006, et al., (Energy Storage Procurement Applications pursuant to Decision 13-10-040). The temporary service list shall be used for service of all pleadings until a service list for this proceeding is established. A service list for this proceeding shall be created by the Commission’s Process Office and posted on the Commission’s Website (www.cpuc.ca.gov) as soon as it is practicable. Parties serving documents in this proceeding shall comply with Rule 1.10 regarding electronic service. Any documents served on the assigned
Commissioner and Administrative Law Judge shall be both by e-mail and by
delivery or mailing a paper format copy of the document.

7. All respondents shall be parties to this proceeding. Entities other than
respondents shall comply with Rules 1.4(a) and Rule 1.4(b) to become parties in
this proceeding.

8. A party that expects to request intervenor compensation for its
participation in this rulemaking shall file its notice of intent to claim intervenor
compensation in accordance with Rule 17.1 of the Rules.

9. Ex parte communications in this Rulemaking are governed by Rule 8.3(a).

This order is effective today.

Dated August 14, 2014, at San Francisco, California

MICHAEL R. PEEVEY
President
MICHEL PETER FLORIO
CATHERINE J.K. SANDOVAL
CARLA J. PETERMAN
MICHAEL PICKER
Commissioners
Appendix A

(Distribution Resource Plan Code Section 769)
SEC. 8.
Section 769 is added to the Public Utilities Code, to read:

769.

a) For purposes of this section, “distributed resources” means distributed renewable generation resources, energy efficiency, energy storage, electric vehicles, and demand response technologies.

b) Not later than July 1, 2015, each electrical corporation shall submit to the commission a distribution resources plan proposal to identify optimal locations for the deployment of distributed resources. Each proposal shall do all of the following:

1) Evaluate locational benefits and costs of distributed resources located on the distribution system. This evaluation shall be based on reductions or increases in local generation capacity needs, avoided or increased investments in distribution infrastructure, safety benefits, reliability benefits, and any other savings the distributed resources provides to the electric grid or costs to ratepayers of the electrical corporation.

2) Propose or identify standard tariffs, contracts, or other mechanisms for the deployment of cost-effective distributed resources that satisfy distribution planning objectives.

3) Propose cost-effective methods of effectively coordinating existing commission-approved programs, incentives, and tariffs to maximize the locational benefits and minimize the incremental costs of distributed resources.

4) Identify any additional utility spending necessary to integrate cost-effective distributed resources into distribution planning consistent with the goal of yielding net benefits to ratepayers.

(End of Appendix A)
APPENDIX B

(More Than Smart Report Final)
MORE THAN SMART
A Framework to Make the Distribution Grid More Open, Efficient and Resilient
ACKNOWLEDGEMENTS

This paper is based on the discussions at the first two More Than Smart workshops as edited by Paul De Martini of the Resnick Sustainability Institute at the California Institute of Technology. The More Than Smart initiative is managed by Tony Brunello of the Greentech Leadership Group through the support of the Energy Foundation. The 2nd workshop was facilitated by John Danner of UC Berkeley. For information regarding the workshop participants, please visit the GTLG “More Than Smart” webpage at www.greentechleadership.org.

We wish to acknowledge the assistance provided by Dr. Neil Fromer, Prof. Steven Low, Dr. Lorenzo Kristov, Genesis Rivas, and Andrew De Martini in the development of this paper and Heidi Rusina for supporting the 2nd workshop at the Resnick Institute. The content of this report does not imply an endorsement by any individuals or organizations that participated in any More Than Smart workshop or reflect the views, policies, or otherwise of the State of California. It is intended to be a document that identifies and explores the future of California’s electric distribution system so as to educate and stimulate discussion among stakeholders regarding requirements for a distributed future.

GTLG is a 501(c)(3) nonprofit organization committed to providing policy leadership by connecting innovators with policymakers. Participants in the organization are leading companies, clean technology business organizations and policy experts in the areas of distribution grid innovation, energy data, appliance energy efficiency, carbon management and renewable energy. GTLG has been instrumental in starting new initiatives including Mission Data (www.missiondata.org), Smart Electronics Initiative (www.howtokillavampire.org) and other efforts found on the GTLG website.
Contents

I. Executive Summary .................................................................................................................................. 3
II. Purpose ..................................................................................................................................................... 5
III. Integrated Grid Framework ...................................................................................................................... 6
   A. Distribution Planning ........................................................................................................................... 7
      Integrated Distribution Planning ........................................................................................................... 8
      Analysis Methodology & Tools .......................................................................................................... 8
      Operational & Distributed Energy Resource (DER) Market Data ......................................................... 9
      DER/Energy Efficiency/Electric Vehicle Diffusion Scenarios ............................................................... 10
      Multi-stakeholder engagement ........................................................................................................... 10
   B. Distribution System Design-Build ....................................................................................................... 12
      Grid as Open Network ....................................................................................................................... 12
      Flexible Designs & Layered Architecture ........................................................................................... 13
      Deployment Timing Alignment ........................................................................................................... 14
      Utility Grid Technology On-Ramp ....................................................................................................... 15
   C. Distribution System Operations ......................................................................................................... 16
      Minimal Distribution Service Organization (DSO) Functions ............................................................ 17
      Reliability Coordination at Transmission-Distribution (T-D) Interface ................................................ 18
      Expanded DSO Roles .......................................................................................................................... 18
   D. DER Integration into Operations ........................................................................................................ 19
      Operational Grid Services ............................................................................................................... 20
      Transparent Value Identification & Monetization ............................................................................... 21
      Open Access Participation .................................................................................................................. 22
IV. Integrated Grid Roadmap ...................................................................................................................... 24

Appendix A: Relevant California Policies ................................................................................................ 26
Appendix B: Assembly Bill 327 (Perea) Sec. 8 ......................................................................................... 27
Appendix C: Value of the Grid .................................................................................................................. 28

References .................................................................................................................................................... 30
I. Executive Summary

California environmental and energy policies\(^A\) combined with customer choices enabled by innovation are forcing fundamental changes to California’s power system. It is quickly evolving from the historically centralized structure toward a substantially more decentralized future. This transition creates an opportunity to significantly reduce greenhouse gases by harnessing the value of energy across the grid from customers at the edge through the bulk power system. Essential to achieving this outcome is enabling customer choice via an electric distribution system that becomes an open, integrated electric network platform that is more than smart.

The current electric system serves the majority of California well today. However, it is necessary to consider the changes needed to scale to the levels of distributed energy resources\(^B\) (DER) envisioned in California policy, including Assembly Bill 32\(^C\) (Nunez) and Assembly Bill 327\(^D\) (Perea). This is especially true given the capital intensive nature of grid investment and rapid distributed resource advancements. For example, changes are needed to integrate over 15 Gigawatts (GW)\(^E\) of distributed resources into the grid. As distribution infrastructure is largely depreciated over several decades, investments this decade may need to be useful to 2040. The implication for California is that the current annual utility distribution investment of nearly $6 billion\(^1,2,3\) is effectively a 25+ year bet on a future – which will likely be quite different than we can imagine today.

This paper is the result of a series of workshops with industry, government and nonprofit leaders focused on helping guide future utility investments and planning for a new distributed generation system. The distributed grid is the final stage in the delivery of electric power linking electricity substations to customers. To date, no state has initiated a comprehensive effort that includes the planning, design-build and operational requirements for large scale integration of DER into state-wide distributed generation systems. This paper provides a framework and guiding principles for how to initiate such a system and can be used to implement California law AB 327 passed in 2013 requiring investor owned utilities to submit a DER plan to the CPUC by July 2015 that identifies their optimal deployment locations.

This paper outlines four key principles around distribution grid planning, design build, operations and integrating DER into operations to create a more open, efficient and resilient grid.

1. **Distribution planning should start with a comprehensive, scenario driven, multi stakeholder planning process that standardizes data and methodologies to address locational benefits and costs of distributed resources.** Distribution planning is becoming more complex. An integrated planning and analysis framework is needed to properly identify opportunities to maximize locational benefits and minimize incremental costs of distributed resources. This is enabled by a standardized

---

\(^A\) See Appendix A  
\(^B\) Distributed energy resources means distributed renewable generation resources, energy efficiency, energy storage, electric vehicles, and demand response technologies  
\(^C\) Global Warming Solutions Act of 2006, which set the 2020 greenhouse gas emissions reduction goal into law  
\(^D\) See Appendix B for AB 327 changes to Public Utilities Code related to Section 769  
\(^E\) 15 GWs: 12 GWs of distributed generation, over 2 GWs of demand response, about 1 GW of energy storage
set of analytical models and techniques based on a combination of utility grid operational data and DER market development information to achieve repeatable and comparable results.

2. **California’s distribution system planning, design and investments should move towards an open, flexible, and node-friendly network system (rather than a centralized, linear, closed one) that enables seamless DER integration.** California’s vision for significant DER contribution to resource adequacy and safe, reliable operation of the grid requires a move to a network system. The evolution to an open platform will involve foundational investments in information, communication and operational systems not seen in existing utility smart grid plans. These investments should be based on solid architectural grid principles while ensuring the timing and pace align with customer needs and policy objectives. In the future, the state should strive toward converging electric utility designs with other distribution systems for gas, water and other services.

3. **California’s electric distribution service operators (DSO) should have an expanded role in utility distribution operations (with CAISO) and should act as a technology-neutral marketplace coordinator and situational awareness and operational information exchange facilitator while avoiding any operational conflicts of interest.** Today, bulk power systems and distribution systems are largely operated independently. DSO's can help play an integrating role with CAISO. California is already at the point at which integrated and coordinated operations based on better situational information is essential. This integration requires both an expansion of the minimal functions of utility distribution operations and clear delineation of roles and responsibilities between the CAISO and utility distribution system operators. Finally, as with transmission, distribution operations will need standards of conduct to ensure neutral operational coordination.

4. **Flexible DER can provide value today to optimize markets, grid operations and investments.** California should expedite DER participation in wholesale markets and resource adequacy, unbundle distribution grid operations services, create a transparent process to monetize DER services and reduce unnecessary barriers for DER integration. Flexible DER can provide a wide range of value across the bulk power and distribution systems. The issue is not if or when, but rather how do we enable integration of flexible DER into these systems. This will be enabled by the expansion of CAISO services and new distribution operational services. As such, new capabilities and performance criteria should be identified as part of the distribution planning process. These new services should be coordinated with existing programs knowing some existing demand response programs may be surpassed in their relevance and value in the context of AB 327 objectives. Finally, barriers to broad participation involving complex and expensive measurement and verification schemes and related settlement processes should be simplified for DER.

The distribution plans that each of the California IOUs will need to file to comply with AB 327 represent the first step towards starting to re-shape the distribution grid. The role of this paper is to provide a set of strategic frameworks and guiding principles that can inform stakeholders and policymakers in the development of AB 327 Distribution Plans that the CPUC will eventually ratify. Additionally, as other states and international locales consider a more distributed electric system this paper offers guidance on the critical questions and a framework for developing the path forward for their particular distribution systems.
II. Purpose

California environmental and energy policies combined with customer choices enabled by innovation are forcing fundamental changes to California’s power system. It is quickly evolving from the historically centralized structure toward a substantially more decentralized future. This transition creates an opportunity to significantly reduce greenhouse gases by harnessing the value of energy across the grid from customers at the edge through the bulk power system. Essential to achieving this outcome is enabling customer choice via an electric distribution system that becomes more transparent in terms of information and open in terms of access. This paper focuses on the optimal integration of distributed energy resources into the electric system and the related evolution of the existing distribution system to become an enabling network to realize the benefits for ratepayers and users of the system.

While the current electric system serves the majority of California well today, it is necessary to consider the changes needed to scale to the levels of DER envisioned in California policy, including AB 32 and AB 327. This is especially true given the capital intensive nature of grid investment and rapid distributed resource advancements. For example, changes are needed to integrate over 15 GWs of distributed resources into distribution and/or bulk power system operations. This amount of DER may be low as technological innovation is accelerating. Bill Gates observed, “We always overestimate the change that will occur in the next two years and underestimate the change that will occur in the next ten.” As distribution infrastructure is largely depreciated over several decades, investments this decade may need to be useful to 2040. The implication for California is that the current annual utility distribution investment of nearly $6 billion is effectively a 25+ year bet on a future – which will likely be quite different than we can imagine today.

This paper continues a conversation among a diverse set of experts about the future of California’s power system with a particular focus on its role and desired attributes. The objective is to define an integrated grid framework and related guiding principles that link California’s policy goals and desired integrated power system qualities to utility implementation practices. Specifically, those practices related to distribution planning, design-build, operations and the integration of DER into markets and grid operations. This paper is derived from the discussions in a 1st More Than Smart Workshop in September 2013 and a 2nd workshop at Caltech’s Resnick Sustainability Institute in June 2014. This paper will serve as a primer for a 3rd workshop planned for fall 2014 and a source of industry insights for relevant regulatory activity in California and elsewhere.

---

See Appendix A
See Appendix B for AB 327 changes to Public Utilities Code related to Section 769
15 GWs: 12 GWs of distributed generation, over 2 GWs of demand response, about 1 GW of energy storage
III. Integrated Grid Framework

The electricity system has been called the most complex machine developed by humans. This complex system has many interdependent components that must work harmoniously to ensure safe and reliable service. Any material changes to the system need to be considered holistically. This is why a systems view is essential to evaluate the transition underway for the electric grid in California, Hawaii, New York and other places around the world.

The integrated grid framework in figure 1 below provides a systems view to conceptually illustrate the linkage between California’s existing policy goals and regulatory defined electric system qualities we want to achieve, and the lifecycle development processes used to implement those goals and qualities in practice. This framework was developed from the comments and discussion in the first More Than Smart workshop utilizing a systems engineering approach. A systems engineering approach involves holistic design and management of complex engineering projects over their integrated life cycles. The process starts with identifying the policy objectives as well as customer needs to define system qualities and by extension the system design along with operational requirements.

![Integrated Grid Framework Diagram](image)

This integrated lifecycle is identified above as the Distributed System Lifecycle shaded in dark green. The four key stages are: (1) Distribution Planning, (2) Distribution Design-Build, (3) System Operations and (4) DER Integration into Operations. Each interdependent stage represents a set of participants (people), complex processes and technologies. In this paper, a set of guiding principles is identified for each stage to enable customer needs and policy outcomes. Further definition of the attributes and
requirements for each stage will lead to repeatable and scalable methods that address immediate and future system needs. This paper is purposely agnostic regarding technical solutions and technology.

The focus of this paper is not to define “what we want to achieve” as this has been clearly identified and codified in California law, regulation and standards. The focus is instead on the, “How are we going to execute on this vision?” considerations. This, in part, requires creating lines of sight between the policy goals and tactical implementation. It is also requires alignment of all aspects of the framework to accomplish the desired results. These various aspects should be viewed as synergistic, not additive if the objectives of AB 327 are to be achieved. This is why it is essential that a holistic, systematic approach is used.

Implementation will involve substantial changes to the processes and methods used in each of the lifecycle stages. AB 327 specifically calls for specific changes as noted in the discussion below. But, this law is only one of several existing California policies that should be considered for planning, design-build and operation of the distribution system going forward. As such, there are several proposed guiding principles for each stage to address the holistic changes needed. These are drawn from the More Than Smart workshops and best practice defined in several industry papers, such as EPRI’s The Integrated Grid\textsuperscript{10}, Environmental Defense Funds Smart Grid Scorecard\textsuperscript{11}, DOE’s Modern Grid Initiative\textsuperscript{12}, Carnegie Mellon’s Smart Grid Maturity Model\textsuperscript{13}, and Gridwise Architecture Council’s Decision Maker Checklist\textsuperscript{14}. If done well the revised process for each stage will result in defining a set of integrated requirements for development of an electric system to meet California’s needs for today and well into the 21\textsuperscript{st} century.

**A. DISTRIBUTION PLANNING**

*Ensure ratepayers realize the net benefits from the optimal use of distributed resources at minimal cost to integrate these resources into the electric system.*

California law AB 327\textsuperscript{15} requires investor owned utilities to submit a distributed resource\textsuperscript{1} plan proposal to the CPUC by July 1, 2015 that identifies optimal locations for the deployment of distributed resources. Also, that the “evaluation shall be based on reductions or increases in local generation capacity needs, avoided or increased investments in distribution infrastructure, safety benefits, reliability benefits, and any other savings the distributed resources provides to the electric grid or costs to ratepayers of the electrical corporation.” Subsequently, any additional distribution investment plans will need to consider maximizing the locational benefits and minimizing the incremental costs of distributed resources. This analysis must also consider “safety standards related to technology or operation of the distribution circuit in a manner that ensures reliable service.” This last criteria is also part of the Operational Risk\textsuperscript{16} requirements for California investor-owned utilities.

This level of planning now required in California involves a wider and more complex range of engineering and economic issues in an integrated and multi-disciplinary fashion with direct participation of relevant stakeholders. This includes:

- An integrated planning and analysis framework to properly identify the criteria, issues, interdependencies and methods of analysis
- Standardized set of related analytical models and techniques to achieve comparable results

---

\textsuperscript{1} Distributed Resources as defined by AB 327 means, renewable distributed generation, energy storage, plug-in electric vehicles
• Qualified access to utility operational and competitive market data to facilitate stakeholder analysis and independent research
• Use of future scenarios related to varying amounts and timing of DER and electric vehicle adoption to stress test distribution investment plans and DER benefit-costs
• Transparent processes incorporating relevant stakeholder participation

**Integrated Distribution Planning**

The first step toward an integrated systematic approach is development of a standardized planning framework. This is because of the diversity and scale of California’s current DER objectives. This planning framework would involve identifying customer needs and uses of the distribution system, along with DER diffusion modeling, integrated resource planning, power system engineering and economic analyses needed along with the interdependencies among each. The opportunity exists to achieve California’s objectives if we holistically understand the interrelationships and related benefits and costs of DER and the grid. Currently, such an integrated framework does not yet exist and therefore many analyses performed today may be significantly deficient in answering the long-term questions raised in statues.

Framing the planning objectives in a practical and standard manner is essential to yield comparable results across the state. For example, the following three objectives should be clearly defined prior to the utility distribution planning required under AB 327:

• “Locational benefits”
• “Optimal location”
• “Value optimization”

Discussion in the 2nd workshop highlighted that “value optimization” could be construed as value maximization or cost minimization. Cost minimization in this case is the integrated lifecycle costs related to the environment, electric system value chain, society and customers. Also, it is important to define local optimization and benefits in the context of the whole system. The parameters for any planning objectives need to be identified. This should include identifying inputs such as flexibility, reliability, and resiliency as well as the scope of analysis. These parameters should also address how to consider customer value or externalities. The effective limits of an analysis should be defined.

California utilities continue to make significant investment in grid modernization. PG&E, for example, has incorporated fundamental changes to enable integration of DER at scale. These changes include larger distribution wire sizes and transformers that also improve safety and reliability. Given these grid modernization investments, distribution planning should start by establishing a common understanding of the capabilities of the existing system as a “baseline”. This baseline evaluation should be stress tested for any capability gaps by a set of potential future scenarios described below.

**Analysis Methodology & Tools**

Existing distribution planning process, methods and modeling tools aren’t equipped to fully assess the increasing random variability of supply and demand resources. Historically, variability of net customer demand was rather predictable based on weather and macroeconomic factors. Plus, few distributed generators were directly interconnected to low voltage distribution systems so the impact to

---

\(^K\) EPRI is currently developing such a framework as part of the Integrated Grid program.
the system was negligible. This has changed based on the scale and pace of DER adoption and California’s goals. Analysis today requires both the traditional power engineering analysis as well as an assessment of the random variability and power flows across a distribution system. Such an analysis would include real and reactive power flows under a variety of planned and unplanned situations across a distribution system, not just a single feeder. Evolution to a more network centric model for a distribution system to enable bi-directional power flow underscores the need for a fundamental shift in planning analyses.

As such, a more sophisticated and proactive approach is needed to consider the “optimal locations” for DER. Value assessment as defined in AB 327 requires an evaluation of “locational benefits and costs of distributed resources located on the distribution system.” As noted before, these analyses require a complex set of interrelated models to conduct. Also, a more dynamic interface with the transmission system may occur and so analysis of the T-D interaction is necessary. A 2013 CEC commissioned study identified the “need for studies and tools that capture the detail of distribution and distribution-connected generation with transmission for a unified regional view” (pg. 3).

Additionally, many of these analyses will involve trade-offs. One is the trade-off between economic optimization and system robustness (resilience & reliability). The challenge for distribution planning, unlike transmission, is that there is no current analytical framework to address the inherent trade-off between economic optimization and operational robustness. Failure to address this significant gap is a recipe for potentially disastrous results before 2030. Taking this a step further, there are optimization trade-offs between environmental, societal, grid-based and customer-based solutions. It is also important to recognize that the power system is becoming considerably more complex. This can create a more fragile system, not more resilient, if not done properly. There is a need to understand the inherent trade-off related to simplicity versus complexity in planning. This is best done through analysis of an expanded set of operational risks not identified in the current CPUC Operational Risk proceeding. The planning framework must be able to address these types of trade-offs.

Based on the various new and converged analyses described above, there is a need to identify existing tools that can be used and any gaps that exist. A prioritization of the analyses is urgently needed as time is short to support AB 327 requirements, energy storage procurements, smart grid and operational risk plans.

**Operational & DER Market Data**

To enable research and transparency with the analyses, qualified access to grid asset and operational data is needed. Similarly, competitive DER/EE market data from services firms is required. This foundational data should be accessible, visible, and available (in terms of time granularity and type of data). Such access could be provided consistent with existing confidentiality rules for transmission planning and other utility operational data. Also, NERC’s synchrophasor data repository may offer guidance on allowing limited access for research and transparency while respecting legitimate security and confidentiality concerns. Conversely, utility planning and analysis would benefit from confidential information provided by DER developers and services firms regarding system performance characteristics, market information and plans in their planning areas. There may also be an opportunity to consider expanding the role of the CPUC’s new Energy Data Center to also include this operational and market planning data.
**DER/EE/EV Diffusion Scenarios**

A key challenge for determining value as well as the timing and magnitude of grid investment is the uncertainty related to the diffusion patterns for DER, energy efficiency, electric vehicles, microgrids and zero net energy code compliance. A set of future scenarios looking toward 2030 and beyond are useful to guide discussion of the evolution of California’s electric system to support customer’s choices and public policy. There is a recognition that California is at a crossroads with respect to the future role of the electric system generally and the distribution system specifically. The discussion at the 2nd More Than Smart workshop identified the value of scenarios, as possible futures for distributed energy resource deployment, electric vehicle adoption and customer participation. These scenarios would be used to ‘stress test’ existing utility distribution systems, planned investments and research and development activity (in general rate cases, EPIC programs, and smart grid roadmaps).

Ideally, utilities would develop at least three future scenarios for the purpose of stress testing the baseline capabilities of the distribution system. Scenarios when used in conjunction with long term distribution infrastructure capital planning, should cover at least a 20 year time horizon. These scenarios should incorporate a range of relevant parameters including diffusion of various types of DER (plus EVs and energy efficiency), socioeconomic factors, and other key aspects. These scenarios should incorporate assumptions related to state policy goals (e.g., 12,000 MWs of local DG, 1.5 million ZEVs, 5% of peak met by DR). These assumptions could be augmented by insights from stakeholders and research analysis by Lawrence Berkeley National Lab (LBNL) along with other research organizations as well as scenarios developed in related California proceedings and planning. In these scenarios, DERs must be assumed to provide services identified in utility Distribution Resource Plans. In conjunction with the scenarios, the specified system qualities below can be used to test the robustness of distribution plans.

The characteristics for each of the integrated system qualities below would be outlined based on each stakeholder (e.g., Customer, DER provider, DSO and TSO) specified needs.

![Figure 2: Integrated System Qualities](image)

**Multi-stakeholder engagement**

The number of vested stakeholders in the distribution planning process has greatly expanded and incorporating stakeholder (including representatives of customers) engagement and input as well as greater transparency to the process is needed. There is also a concern that California’s plethora of incentives, programs and policies for different clean technologies and resource types are not well coordinated, leading to inefficiencies in planning. It is also critical that the opportunity/problem to be solved needs to be defined from an integrated system view and not from a single stakeholder or
technical solution perspective. These considerations suggest the need for revised processes to create a multi-stakeholder, scenario driven planning process similar in concept to that developed for transmission by CAISO in 2010.

However, engaging more stakeholders in such a planning process may increase the time for outcomes. Balancing the need for multi-stakeholder involvement with the need for accelerated changes to the distribution system will be a critical challenge that should be considered. Such as the need to identify and be in the position to execute short term reliability system upgrades versus longer term reliability investments required to support DER. One area that appears ripe for stakeholder engagement is the identification of optimal locations guided by planning and asset data in support of realized benefits.

**Recommended Reading**
Reference paper for analogous approach to scenario based planning: *CAISO Transmission Planning Process, 2010*  

### Guiding Principles for Distribution Planning
Based on the workshop discussions, the following guiding principles and potential requirements are offered for consideration. These are aligned with relevant federal and state policies, and leverage industry research and best practices referenced in this paper.

<table>
<thead>
<tr>
<th>Guiding Principles</th>
<th>Potential Requirements</th>
</tr>
</thead>
</table>
| P1: Scenario-driven integrated planning analysis framework | P1a: Framework should identify all relevant analysis and modeling interdependencies and related engineering-economic trade-offs  
P1b: Planning should use scenario driven “futures” using a set of common parameters including customer DER adoption, and other critical factors  
P1c: Planning should establish baseline functionality of current infrastructure and designs |
| P2: Standardized methodology and tools for distribution planning | P2a: Planning should be performed using a consistent set of accepted engineering and economic methodologies, but remain vendor and modeling technology neutral  
P2b: Engineering models and tools should address all relevant power system characteristics and dynamics for a well defined distribution area and inter-related local transmission system consistent with best practice |
| P3: Greater access to grid operational and market planning data | P3a: Utility asset and operational data used for distribution planning should be accessible to 3rd parties and researchers under certain qualifications and subject to confidentiality and security conditions.  
P3b: Market planning data from DER developers and services firms will be available to utilities and research institutions for relevant distribution and bulk power system planning under specific conditions and subject to confidentiality |
| P4: Integrated multi-stakeholder distribution planning process | P4a: Planning scope should involve relevant stakeholders, including representatives of customers, in process  
P4b: Stakeholder engagement should not create a bottleneck to planning process |
B. DISTRIBUTION SYSTEM DESIGN-BUILD

Develop robust open, node-friendly electric network designs that address safety and reliability needs while incorporating architectural elements that enable innovation across the electric system and enhance customer value from connectivity.

Distribution system designs, investment decisions and related technology adoption processes for physical infrastructure, protection and control systems and operational systems need to quickly evolve toward achieving the objectives below in a cost effective manner and mindful of customer rate impacts:

- Grid as open network model to enable seamless DER/microgrid integration
- Employ flexible designs and layered architecture to create flexibility while managing complexity
- Align timing of infrastructure/systems deployment with needs
- Well defined and functioning utility advanced technology on-ramp

Distribution designs today generally reflect a traditional set of assumptions and uses for distribution circuit. Standard engineering design practices are often based on 50 year old operating paradigms. This may lead to significant stranded investment risk beginning in the next decade. It is essential that distribution designs align to the new requirements driven by customer choices and public policy.

This alignment also raises questions about the future role and value of the distribution system given potential growth of customer self-sufficiency or independent micro-grids. In this context, the discussion at the 2nd MTS workshop identified a “node-friendly” network model as the desired among four potential distribution end-states. The four end-states are; Grid as Back-up, Current Path, Grid as Network, and Convergence. These end states should be viewed as on a continuum in terms of the value of the grid. In this context, Grid as Back-up envisions the grid providing less value than in the other end-states. The Current Path is analogous to the “baseline” discussed earlier. In the Convergence role the electric system provides the highest value. The discussion in the workshop recognized the value of an advanced grid and focused on Grid as Network with aspirations for evolving to a convergence end-state.

These end-states could be used to assess system qualities and validate whether utility investment plans derived from the scenario analysis and planning align with a particular desired end-state.

Grid as Open Network
An open network end-state builds on the current investments through an acceleration of more advanced technology adoption into the grid along with an evolution of distribution system designs to

---

A. A node is a distribution grid interface with customer or merchant DER or microgrid
M. See Appendix C for expanded definitions
create a node-friendly network. This network platform can incorporate seamless integration of DER and independent microgrids. This network platform model envisions a proactive approach to manage the alignment of investment to enable the adoption of DER. Such decisions would be made strategically through a collaborative assessment of optimal investment. This open electric network platform and related operations enables upwards of 20 GWs of distributed energy resources and over 1.5 million electric vehicles to integrate safely and reliably while also contributing to the reduction of greenhouse gases.

Fundamentally, these distribution designs need to consider how to evolve a closed single purpose system to a more open, flexible, operationally visible and resilient platform that can accommodate anticipated DER integration and future innovations. Such a platform would involve “node-friendly” standardized, low cost physical and information interconnections. This would enable interconnection without lengthy studies. This approach would also allow for the continued evolution into a multi-cellular structure comprised of microgrids as discussed in the recent CPUC staff microgrid report. This will not be easy or simple, yet engineering solutions enabled by technology innovations must be developed.

To accomplish this, distribution designs will likely evolve to a level beyond that contemplated in most smart grid plans. This “More than Smart” level is what EPRI describes as The Integrated Grid. Evolution may require rethinking of circuit designs to other configurations, like the loop designs currently being tested in several utility demonstration programs, including SCE’s Irvine Smart Grid Demonstration project and utility microgrids such as SDG&E’s Borrego Springs project.

The 2nd MTS workshop discussion centered on evolving distribution to achieve the network platform attributes and associated integrated value as reflected in this paper. However, the discussion identified the need to more fully explore, as in New York, the potential to enable innovation across the power system and other critical infrastructure such as water and transportation. Conceptually there is a real potential for “network effects” through the synergistic value that could be created from such a convergence. This is a stretch goal, but worth consideration as part of any More Than Smart design.

Flexible Designs & Layered Architecture
The incorporation of advanced digital technologies and DER into the operation of the electric system requires consideration of the information, communication and physical interface considerations. For example, networked distribution systems will necessarily involve technologies with different lifecycles as more digital and software components are added. Also, interfaces with customers and 3rd party systems will likely be more dynamic as these systems will have different lifecycles. These cyber-physical interfaces become critical to achieving an open and flexible network desired. Therefore, it is essential that a systems engineering approach leveraging interoperability principles is employed to integrate fast and slow cycle technologies. By understanding the functional requirements and interfaces it is possible to define boundaries to create a flexible system. Modularity would mitigate stranded cost risk and enable future optionality to benefit from unforeseen innovations such as was the case with modular smart meter designs developed before the iPhone was launched. The key to modularity is defining the boundaries correctly. This is fairly complex and involves identifying those engineering-design
“constraints that de-constrain”\(^N\). If done well, constraining aspects of the design will allow flexibility around the constrained aspect. This modular and layered approach is what enables the internet to foster innovation in applications as well as hardware.

A number of architectural issues need to be addressed as distribution increasingly evolves from human-centric passive/reactive management to highly automated active management.\(^{35}\) As such, operational systems will also evolve in complexity and scale over time as the “richness” of systems functionality increases and the reach extends to greater numbers of intelligent devices at the edge of the system. This also introduces operational risks from increases in system complexity and the cyber-attack surface.\(^{36}\) This increased complexity requires new ultra large-scale layered architectural approaches\(^{37}\) to manage data and interfaces across thousands and potentially millions of end points, federated controls to manage various latency requirements for certain grid operations, system security, reliability and extensibility. These systems will be based on architecture that embeds digital processing and analytics as well as control software at many locations in and along the power grid infrastructure to implement flexible grid automation.\(^{38}\)

**Deployment Timing Alignment**

The current efforts of California’s utilities\(^{39,40}\) to modernize the grid has been widely recognized as among the world’s leading efforts. But, the pace and scope of change incorporated into the multi-billion dollar distribution investment plans may not be sufficient to meet customer needs and policy objectives. This is due in part to the lag between accelerated customer DER adoption, and increasing policy mandates compared to the cycle time for engineering, design and construction. These alignment issues can be addressed by basing investment decisions on scenario based planning. Additionally, timing risk can be mitigated by identifying those investments that are required under any future scenario. These “no regrets” investments include advanced field telecommunications networks and increasing grid operational visibility – to allow more operational data, moving freely, in real time. This effort can be accelerated by focusing initial efforts within the development of optimal or preferred locations, revising in-flight programs such as fault indicator, switch automation, and capacitor control programs to offset otherwise expenditures that would become obsolete. Also, many of these developments will need to be concurrently consistent across roadmap work streams.

However, reducing the deployment time cycle for new designs and related technology solutions is critical. System-wide deployments take a long time from design to full deployment. At first glance, many believe far too long – wrongly comparing the adoption cycle of consumer electronics from the time they reach market to consumer purchase. Looking closer it becomes clearer why the overall duration for technologies deployed at scale in the grid or grid operating systems may take 10 years or more. Below is a conceptual timeline example for electric industry product development and adoption. There are limits to accelerating field deployments given safety considerations and availability of qualified people and equipment. But, there are opportunities to consider accelerating the front end of the lifecycle involving research, development and demonstration and business and regulatory decision making.

\(^N\) Introduced by Caltech Prof. J. Doyle and discussed in Prof. S. Low’s blog  
Utility Grid Technology On-Ramp
Technology advancements in the information and energy technologies that enable a modern grid are available or within reach. As recognized by the creation of the EPIC research and development funding and Smart Grid Roadmaps, utilities play a critical role both in new product development with technology suppliers and collaboration with research universities, institutes and national labs. Without utility involvement the technology development cycle significantly slows. But, the adoption process doesn’t stop with lab testing or pilots. It is essential for California that well defined technology adoption on-ramps into operational deployment are established for grid infrastructure and operational systems technology. This would include lessons learned and shared information about technology testing and pilots. Likewise, it is important that scale pilots to demonstrate operational readiness of a wide range of flexible distributed resources (e.g., dispatchable generation, energy storage, electric vehicles and customer load) are conducted soon.

Such on-ramps for advanced grid technology and DER participation would align EPIC research and development funding with integrated resource and procurement plans, Smart Grid Roadmaps and general rate case funding requests for capital investment. Of course, technology development should align with public policy and customer benefits. Thereby, customer benefits and policy values pulling through new technology. This type of alignment is largely done in the energy efficiency and demand response area and was a critical part of the smart meter development and deployments. The time is now to address advanced grid technology adoption to enable the open network model. As such, the distribution plans envisioned in AB 327 should identify specific actions and incremental investment needed to develop an open, flexible electric distribution network as well as the related operational platform.

Recommended Reading
Reference papers for deeper discussion:
- The Integrated Grid, EPRI, 2014
- Future of Distribution, EEI, 2012

Guiding Principles for Distribution System Design Build
Based on the workshop discussions, the following guiding principles are offered for consideration. These are aligned with relevant federal and state policies, and leverage industry research and best practices referenced in this paper.
C. SYSTEM OPERATIONS

To provide safe and reliable electric service across distribution system and operational boundaries while enabling seamless integration of DER and microgrids into markets and grid operations.

Providing safe and reliable electric service in a more distributed system requires an integrated and coordinated operational paradigm. This paradigm should clearly delineate roles and responsibilities between California Balancing Authorities (BA) like the CAISO, other transmission system operators and utility distribution system operators (DSO). These responsibilities include:

- Minimal DSO functions to ensure safe and reliable operations
- Reliability coordination at Transmission to Distribution (T-D) interface
- Potentially expanded DSO roles as energy transactions across distribution grow

The fundamental role and responsibility of the BA remains to provide reliable open-access transmission service. This entails maintaining supply-demand balance and transmission reliability through the scheduling and dispatch of resources and interchange transactions with other regional balancing authorities. The new challenge for the BA arises from the need to consider the increasingly dynamic net load and high penetration of flexible DER across the T-D interface at a substation or locational marginal pricing node (P-node). This drives the need to reconsider the various roles needed for physical operation and those for market operation need in the context of scaling DER to over 25% of California’s peak demand. This brings about the question as to how appropriately balance existing California policy with
economic impacts to customers when considering RPS goals that apply to both transmission and distribution.

Minimal DSO Functions
The discussion of the potential role of distribution utilities often confuses the two distinct functions; physical operation of the electric system and that of market operation. These functions are closely related, but different. The following discussion is focused on the physical coordination of real and reactive power flows across the distribution system in an integrated manner with the CAISO. In this context, there is a new set of minimal functional responsibilities that define the new DSO. These new functions are in addition to the traditional DSO operational functions, like outage restoration and switching for maintenance. One function is managing distributed reliability services involving many types of DER and independent micro-grids providing distributed reliability services to support distribution system operations. The ability of the DSO to utilize locally-provided reliability services will also enable the DSO to maintain more stable and predictable interchange with the BA at the T-D interface. The minimal DSO functions also include responsibility to BA for providing situational awareness involving forecasting, real-time measurement and reconciliation of net load, dispatchable DER resource, and real and reactive power flows from the distribution side of a P-node.

It is important to clarify that the DSO functions described here do not require the DSO to be inserted into wholesale market operations and related economic transactions between parties involving DER. Rather, the core operational safety and reliability based DSO activities confine the DSO to managing real and reactive power flows across the distribution system. These activities require tight integration of the people, processes and technology used to operate the distribution system. Any concerns about conflicts of interest regarding the coordination of energy and capacity delivery schedules, can be addressed
through the use of standards of conduct (SOC) modeled after the successful Federal Energy Regulatory Commission’s transmission operation SOC\textsuperscript{41} adhered to by utilities for over 15 years.

**Reliability Coordination at T-D Interface**

Another function required of the DSO is T-D interface reliability coordination. This function is to ensure that services provided by DER are properly coordinated, scheduled and managed in real-time so that the BA has predictability and assurance that DER committed to provide transmission services will actually deliver those services across the distribution system to the T-D interface.\textsuperscript{42} This coordination also involves ensuring that DER dispatch (via direct control or economic signal) doesn’t create detrimental effects on the local distribution system, and will require coordination of physical power flows at the T-D interface between the BA and DSO.

The need for real and reactive power flow coordination across distribution and the T-D interface is likely to increase with the growth of DER and related excess energy available for resale. This involves more than forecasting and managing net load as identified in the CAISO Duck Curve analysis.\textsuperscript{43} It is also very likely that energy transactions may occur within any given local distribution area between distributed generators and municipal utilities, power marketers and energy retailers. At a minimum the physical aspects (not the financial aspects) of these transactions will need to be coordinated as part of the DSO’s function of reliable distribution system operation. This does not mean that DSOs will operate balancing markets or an optimal resource dispatch function as done by the BA at the wholesale level. Supply-demand balancing will remain the sole responsibility of the BA. The DSO will, however, need to coordinate energy delivery schedules to ensure operational integrity of the distribution system.

**Expanded DSO Roles**

There is a set of potential market facilitation services beyond the minimum that may be provided by a utility DSO and/or third parties. An example is an evolution of the schedule coordinator role as described in CPUC Rule 24. If desired, the rule may need to be changed to allow investor owned utilities to offer this service. Also, incorporation of energy storage into the distribution system may enable DSOs to offer new non-core market enabling services similar to those provided by natural gas distribution utilities. Such services may include “park and loan,” where parties may park or store energy that cannot be delivered immediately to be scheduled for delivery at another time. Likewise, DSOs may sell or loan short-term real or reactive power as needed to make-up for deficiencies in scheduled deliveries. The gas operational concept of “line pack” to increase the amount of energy that may be delivered in a short period may also be adapted to electric distribution systems with certain energy storage and demand management technology.

**Recommended Reading**


**Guiding Principles for System Operations**

Based on the workshop discussions, the following guiding principles are offered for consideration. These are aligned with relevant federal and state policies, and leverage industry research and best practices referenced in this paper.
D. DER Integration into Operations

Create opportunities for qualified DER to contribute to the optimization and operation of markets and the grid, and reduce the barriers and costs to participate.

Flexible DER can provide value to optimizing markets and grid operations, and infrastructure investment. This was identified and defined in research by Sandia National Labs\textsuperscript{44} and SCE\textsuperscript{45} and now required by AB 327. So the issue isn’t if or when, but rather how do we enable integration of flexible DER into bulk power and distribution systems. There are several steps needed to needed to consider how to a) allow DER to fully participate in CAISO markets, b) allow DER to mitigate incremental interconnection costs, c) allow DER to meet distribution reliability and power quality services, and d) enable DER to provide an alternative for certain distribution investment. Additionally, there are several market barriers to DER participation as summarized by LBNL.\textsuperscript{46} Therefore, to achieve California’s policy objectives there are four key aspects that need to be addressed:

- Fully address DER potential to participate in bulk power system (e.g. wholesale energy and ancillary service markets) and to meet near, mid and long term resource adequacy requirements
- Unbundle and define distribution operational grid services
- Create transparency related to the value of services and related monetization methods (e.g., market, bi-lateral, tariff, etc.)
- Development of more open access rules and processes (incl. participant qualifications connectivity and measurement requirements, and settlement)
**Operational Grid Services**

Flexible DER is expected to provide a wide range of value across the bulk power and distribution systems. This will be enabled by the expansion of CAISO services and new distribution operational services. Bulk power system services may include: load following (ramp up/down), resource adequacy, reactive power support, and system inertia response.\(^{47}\) Distribution level services may include: voltage/reactive power\(^{48}\), power quality, power flow control and reliability services\(^{49}\). This needs to be done on a technology neutral basis. The starting point for such an effort has been developed by Sandia and SCE in their respective storage analysis reports, but it is important to note that their analysis applies to any flexible DER technology that can meet one or more of the over 20 services identified below in figure 6. There is an immediate need to prioritize those new bulk power and/or distribution services needed over the next 1-3 years in California to begin the development process.

![Figure 5: Potential Operational and Economic Services](source: SCE, Adapted by Newport Consulting)

Fully realizing the value of DER for the bulk power and distribution systems requires assurance of performance to avoid the need for new dispatchable generation and/or physical infrastructure to manage the operations of the electric system. As such, it is essential that clear performance requirements are specified for each service. This is because the evolving system operations discussed in this paper requires firm, dependable resources that can respond in kind to dynamic operational conditions or variable economic signals.

A first step is to recognize that the operational challenges facing CAISO, municipal utilities and distribution grid operators are driving the need for a new set of responsive DER capabilities with distinctly different characteristics.\(^{50}\) Traditional demand response works very well to address

---

<table>
<thead>
<tr>
<th>Use</th>
<th>Minimum duration of output energy (continuous)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Short (&lt; 2 min)</td>
</tr>
<tr>
<td>Balancing Authority &amp; Market Operations</td>
<td>![Diagram](source: SCE, Adapted by Newport Consulting)</td>
</tr>
<tr>
<td>Transmission Operations</td>
<td>![Diagram](source: SCE, Adapted by Newport Consulting)</td>
</tr>
<tr>
<td>Distribution Operations</td>
<td>![Diagram](source: SCE, Adapted by Newport Consulting)</td>
</tr>
<tr>
<td>Customer</td>
<td>![Diagram](source: SCE, Adapted by Newport Consulting)</td>
</tr>
<tr>
<td>Energy Services</td>
<td>![Diagram](source: SCE, Adapted by Newport Consulting)</td>
</tr>
</tbody>
</table>
predicable, discrete peak demand events and as an emergency resource for operators. However, much of this value erodes as the power system becomes more unpredictable and variable that requires much shorter response times to ensure reliable system operation. Therefore, the relatively analog, slow, inflexible and imprecise qualities that largely define existing demand response programs may be surpassed in their relevance and value.

As such, new capabilities should be identified as part of the distribution planning process. It is important that the analytical framework identify new criteria for performance of individual DER technologies. Performance would include the expected outputs, duration, and operational times. Criteria could address preferred resources for each individual technology, or a combination to satisfy specific grid reliability needs in place of traditional investments.

In addition to DER services definition, new multi-layer distributed control schemes will be required to integrate a large number of distributed resources into integrated grid operations. This type of approach would allow the bulk power, distribution and customer/merchant the opportunity to autonomously optimize for their needs while also maintaining coordination between and across each tier. This means, for example, some of this coordination may involve ensuring that autonomous control settings of DER devices are appropriately set for certain grid conditions occurring and responding appropriately. This distributed architecture with autonomous controls on customer devices can both mitigate problems created by high penetrations of DER at distribution, while also allowing for reliable dispatch across the T-D interface. A critical first step to enabling this coordination will be for DSO’s and DER operators to launch pilot projects that seek to integrate advanced DER functionalities into DSO operations.

**Transparent Value Identification & Monetization**

As a foundation, customers should transparently see the benefits and costs related to a more distributed system including their choices in the context of related system upgrades and operational expense. This allows customers to weigh those benefits and costs in terms of affordability, reliability, the environment and safety. Customers and services firms should also know what types of services and benefits they can provide to the grid through access to relevant information. All system participants should also abide by the same operational rules to ensure reliability and safety.

A significant challenge with integration of DER is developing and implementing appropriate value monetization methods. Valuation will necessarily need to consider the local value as well as the net system value given the integrated nature of the electric grid. This means benefits associated with the 30 uses identified in figure 5 above may be offset by system issues such as:

- Surplus generation in day-time hours requiring increasing amounts of renewable generation curtailment to avoid over-generation, and reliability problems.
- Increasing amounts of flexible ramping capacity to accommodate incremental amounts of solar generation, both ramping down in the morning when solar generation starts, and ramping up in the afternoon as solar generation decreases while the evening peak increases.
- Diminishing value of incremental solar additions due to decreasing contributions to reliability and decreasing energy value of solar additions as the hours of residual need shift to later hours in the afternoon with increasing amounts of solar additions.

This is not to diminish the value that DER can provide, but to recognize that any value determination requires holistic analyses, including the contribution other DER technologies could combine with solar...
generation to maximize value. As discussed earlier, an analysis framework and appropriate models are needed immediately to identify these values. In several cases, potential value is not easily monetized as it may not clearly involve tangible monetary benefits. Value may exist in mitigating externalities such as those involved with customer outages. In other instances, value may be derived by displacing utility investment. Each of these values will need to be monetized through a defined method that transparently produces value for customers.

For example, the nature and value of reactive power services is distinctly different than an energy or peak load response service. Today, capacitor banks, line regulators and load tap changers manage reactive power. For new investment, the default cost is the lifecycle cost of this equipment. So, lifecycle cost may be one method for pricing DER provided service be based on this lifecycle cost, subject to a procurement similar in concept to the valuation method used for demand response. Or, the sub-minute time response characteristics and the unique, dynamic engineering value for each local distribution area that may suggest using stochastic engineering models and option valuation methods for the valuation. This may also suggest a tariff based pricing (reflecting the “option premium”) as opposed to a dynamically calculated price signal. This example illustrates the considerations needed to define the appropriate value determination and monetization method for each of the required operational services. There is not a one size fits all model and pricing methods based solely on energy price ($/kWh) do not appear to be sufficient for grid operational services.

Open Access Participation
Reducing the barriers to participate in these new services is a fundamental factor to successfully integrate flexible DER at the scale envisioned in California. It is vital that the current barriers involving participation, complex and expensive measurement and verification schemes and related settlement processes be simplified. Since new DER services require firm, dependable and real-time measurable response, the complex estimation processes of existing demand response programs will be less of an issue. However, the measurement is a major issue as today’s rules were designed for integrating larger generation. Current thinking is also still largely centered on the form factor and functions of a utility type meter. There is a need to adapt the rules for smaller distributed resources and reflect the modern metrology, communication and information management options available. The current demand response proceeding on this issue may provide a good starting point. But, given the nature of the operational services required, it is likely these topics will need to be revisited within the next 2 years.

Recommended Reading
Reference papers for deeper discussion:


---

\(^0\) New York REV initiative is exploring the value of externalities related to DER service provision

\(^p\) Stochastic methods are used to evaluate random variability which is increasingly an issue on power systems
Guiding Principles for DER Integration into Operations
Based on the workshop discussions, the following guiding principles are offered for consideration. These are aligned with relevant federal and state policies, and leverage industry research and best practices referenced in this paper.

<table>
<thead>
<tr>
<th>Guiding Principles</th>
<th>Potential Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>P13: Fully address DER participation in wholesale markets and resource adequacy</td>
<td>P13a. Wholesale opportunities for flexible DER should be fully expanded to support bulk power operations.</td>
</tr>
<tr>
<td></td>
<td>P13b. Performance requirements should align with identified value to provide reasonable results for all stakeholders including net benefits for ratepayers.</td>
</tr>
<tr>
<td>P14: Unbundle distribution grid operational services</td>
<td>P14a. Identification and prioritization of differentiated distribution grid operational services should fully support grid operations, asset utilization, capital investment and meet policy requirements.</td>
</tr>
<tr>
<td></td>
<td>P14b. Definition of service performance characteristics and related performance requirements should use technology neutral methods.</td>
</tr>
<tr>
<td>P15: Enable transparent DER value identification and monetization</td>
<td>P15a. Distribution services value identification and monetization methods should provide reasonable results for all stakeholders including net benefits for ratepayers.</td>
</tr>
<tr>
<td></td>
<td>P15b. Distribution tariffs and/or procurements for flexible DER should be fully expanded to enable DER to support grid operations.</td>
</tr>
<tr>
<td>P16: Open access and low barriers to DER participation</td>
<td>P16a. Participation rules and processes should enable participation levels consistent with California policy objectives.</td>
</tr>
<tr>
<td></td>
<td>P16b. The cost of integrating flexible DER should not be a barrier to participation. Alternative solutions should be considered.</td>
</tr>
<tr>
<td></td>
<td>P16c. Transaction processes including scheduling, verification and settlement should not be a barrier to participation.</td>
</tr>
</tbody>
</table>
IV. Integrated Grid Roadmap

Customer adoption of DER holds the promise of enhancing the operational, environmental, and affordability of California’s electric system. This requires “an integrated grid that optimizes the power system while providing safe, reliable, affordable, and environmentally responsible electricity.”

As discussed in the 1st and 2nd More Than Smart workshops, California needs to consider a more advanced and highly integrated electric system than originally conceived in many smart grid plans. This integrated grid will evolve in complexity and scale over time as the richness of systems functionality will increase and the distributed reach will extend to millions of intelligent utility, customer and merchant devices.

The conceptual roadmap below outlines a path that bridges the divide from today’s realities to the opportunities envisioned in a more distributed future. This path is focused on the regulatory and industry actions needed over the next 1 to 3 years on the cross-cutting issues identified in the preceding sections to enable a graceful transformation of California’s power system. But, it is important to recognize the interdependent nature of the distribution life cycle to successfully transition to a high value integrated electric distribution network. As noted in figure 6, many roadmap activities will need to be executed concurrently. This requires alignment of the intricate interdependencies of the various activities within each stage.

![Conceptual More Than Smart Roadmap](image)

Figure 6: Conceptual More Than Smart Roadmap
This conceptual roadmap is provided only as a starting point for a more complete discussion at CPUC and the 3rd More Than Smart workshop. In these forums, consideration of the steps needed to scale up implementation of the comprehensive planning discussed. This is non-trivial as there are about 10,000 investor owned utility distribution circuits and several hundred distribution planning areas across California. Also, pilot implementations of new DER provided distribution services is needed to demonstrate the benefits identified in AB327 as well as T-D coordination with CAISO. This specifically includes operational technology testing and an integrated demonstration at sufficient scale to validate operational effectiveness. This is needed because California has yet to test fast response DER performance in distribution or in a coordinated operation between distribution utilities and CAISO. Several pilots, such as SCE’s Preferred Resources Pilot have been discussed or planned that could serve this purpose.

The distribution plans that each of the California IOUs will need to file to comply with AB 327 represent the first step towards starting to re-shape the distribution grid. One of the key activities that the CPUC needs to take ahead of these filings is to provide guidance to the IOUs to ensure that their plans integrate many of the principles articulated in this paper. The role of this paper is to provide a set of strategic frameworks and guiding principles that can inform stakeholders and policymakers in the development of the guidelines for AB 327 Distribution Plans that the CPUC will eventually ratify. Additionally, as other states and international locales consider a more distributed electric system this paper offers guidance on the critical questions and a framework for developing the path forward for their particular distribution systems.
Appendix A: Relevant California Policies

The following list highlights relevant California policy and CPUC proceedings related to distribution planning, design-build, operations and integration of DER. This is only a representative list to show the range and diversity of policy and activity that directly or indirectly impacts the distribution system.

California Policies (sample)

AB 32; California Global Warming Solutions Act
SB1X 2; 33% RPS standard by 2020
State Water Board Policy on the Use of Coastal and Estuarine Waters for Power Plant Cooling; (Once Through Cooling)
Title 24; Residential & Commercial ZNE building codes
Executive Order B-16-2012; Electric Vehicle and Zero Emissions Vehicle targets
AB 758; Energy Efficiency Law
AB 2514; Energy Storage goals
SB 17; Smart Grid Systems
AB 327; Changes to Public Utilities Code Section 769
AB 340; Electric Program Investment Charge (EPIC)

CPUC Regulatory Proceedings (sample)

IOU General Rate Cases
08-12-009 Smart Grid (annual plan submissions)
10-12-007 Energy Storage
11-09-011 Interconnection OIR
11-10-023 Resource Adequacy & Local Procurement
12-06-013 Residential Rate Design
13-12-010, 12-03-014, 10-05-006 Procurement Policies & Long-term Procurement
13-09-011 Demand response
13-11-007, 09-08-009 Alternative Fueled Vehicles
13-11-006 Operational Risk-based Decision Framework
1405003/4/5 Investor-Owned Utility EPIC Triennial Investment Plans
Appendix B: AB 327 Sec. 8

California AB 327 Section 8 language regarding distributed resource consideration in planning and integration into operations.

“Section 769 is added to the Public Utilities Code, to read:

769. (a) For purposes of this section, “distributed resources” means distributed renewable generation resources, energy efficiency, energy storage, electric vehicles, and demand response technologies.

(b) Not later than July 1, 2015, each electrical corporation shall submit to the commission a distribution resources plan proposal to identify optimal locations for the deployment of distributed resources. Each proposal shall do all of the following:

(1) Evaluate locational benefits and costs of distributed resources located on the distribution system. This evaluation shall be based on reductions or increases in local generation capacity needs, avoided or increased investments in distribution infrastructure, safety benefits, reliability benefits, and any other savings the distributed resources provides to the electric grid or costs to ratepayers of the electrical corporation.

(2) Propose or identify standard tariffs, contracts, or other mechanisms for the deployment of cost-effective distributed resources that satisfy distribution planning objectives.

(3) Propose cost-effective methods of effectively coordinating existing commission-approved programs, incentives, and tariffs to maximize the locational benefits and minimize the incremental costs of distributed resources.

(4) Identify any additional utility spending necessary to integrate cost-effective distributed resources into distribution planning consistent with the goal of yielding net benefits to ratepayers.

(5) Identify barriers to the deployment of distributed resources, including, but not limited to, safety standards related to technology or operation of the distribution circuit in a manner that ensures reliable service.

(c) The commission shall review each distribution resources plan proposal submitted by an electrical corporation and approve, or modify and approve, a distribution resources plan for the corporation. The commission may modify any plan as appropriate to minimize overall system costs and maximize ratepayer benefit from investments in distributed resources.

(d) Any electrical corporation spending on distribution infrastructure necessary to accomplish the distribution resources plan shall be proposed and considered as part of the next general rate case for the corporation. The commission may approve proposed spending if it concludes that ratepayers would realize net benefits and the associated costs are just and reasonable. The commission may also adopt criteria, benchmarks, and accountability mechanisms to evaluate the success of any investment authorized pursuant to a distribution resources plan.”
Appendix C: Value of the Grid

The value of the electric grid given potential growth of customer self-sufficiency or independent micro-grids is an open question. In this context, the discussion at the 2nd MTS workshop identified a "node-friendly" network\(^q\) model as the desired among four potential distribution end-states and related value of the grid. The four end-states below should be viewed as on a continuum in terms of the value of the grid.

![Diagram of Value of the Grid]

**Grid as Back-up**
This end-state involves a majority of customers becoming largely self-sufficient through the adoption of distributed resources including energy storage and advanced building and home energy management systems. This end-state envisions a smaller number of customers remaining wholly dependent on the integrated electric system and a growing number of former customers that have become totally self-sufficient and have disconnected. Independently owned community microgrids arise displacing need for utility distribution investment. Utility investment in electric distribution diminishes, focused primarily on break-fix to maintain minimal service standards and quality.

**Current Path**
This end-state is based on the current utility investment plans for electric distribution refresh and smart grid technology adoption as identified in current rate cases and smart grid roadmaps. This end-state assumes an incremental and reactive approach to infrastructure investment. Lack of coordination or collaboration among stakeholders can create gaps in system planning and investment. This creates a risk of misalignment of the timing and location of advanced technology investment or substantive changes in distribution design with the pace of customer and merchant DER penetration.

**Grid as Network**
This end-state builds on the current investments through an acceleration of more advanced technology adoption into the grid along with an evolution of distribution system designs to create a node-friendly grid to enable seamless integration of DER and independent microgrids. This envisions a proactive approach to manage the alignment of investment to enable the adoption of DER. This open electric network platform and related operations enables upwards of 20 GWs of distributed energy resources and over 1.5 million electric vehicles to integrate safely and reliably while also contributing to the improved overall efficiency of CA’s electric system.

\(^q\) Network in this context refers to an open, multi-directional electric distribution system that creates additional value for connected customers and distributed energy resources. It does not refer to, but doesn’t preclude, the type of electrical distribution configuration that links the secondaries of multiple distribution circuits into a mesh configuration for enhanced reliability.
Convergence
This end-state envisions the convergence of an integrated electric network with California’s water, natural gas and transportation systems to create more efficient and resilient infrastructure to enable the state’s long-term economy and environmental policy objectives. Convergent opportunities to minimize capital investment in infrastructure for synergistic societal benefits are fully evaluated in local joint planning efforts. Advanced operational data and control technologies are increasingly integrated in highly coordinated operations across the water, natural gas, and transportation networks.
References

2. PG&E Corp, First Quarter Earnings Call presentation, May 1, 2014
6. PG&E Corp, First Quarter Earnings Call presentation, May 1, 2014
9. Staff, Reforming The Energy Vision, New York State Department of Public Service, April 2014
10. Staff, The Integrated Grid, EPRI, 2014
14. GWAC, Decision Maker’s Checklist, 2009
15. California AB 327 SEC. 8 revisions to Public Utilities Code Section 769
16. R. White and E. Malashenko, Quantifying Risk: Building Resiliency into Utility Planning, Energy Division CPUC, 2014
24. A. Lee and M. Zafar, Energy Data Center, Energy Division, CPUC, 2012
28. C. Villareal, D. Erickson, M. Zafar, Microgrids: A Regulatory Perspective, CPUC Policy & Planning Division, April 2014
29. Staff, The Integrated Grid, EPRI, 2014
31. SDG&E Project description: http://building-microgrid.lbl.gov/borrego-springs
32. Staff, Reforming The Energy Vision, New York State Department of Public Service, April 2014, pp. 11-12
34. Staff, NIST Framework and Roadmap for Smart Grid Interoperability Standards, Release 2.0, NIST SP 1108R2
38. Staff, Grid 3.0. EPRI, 2011
39 CPUC Rulemaking 08-12-009 on June 24, 2010 enacting provisions of Senate Bill 17 (Padilla), October 11, 2009
40 Staff, Annual Smart Grid Report, SCE, 2013
   Staff, Annual Smart Grid Report, SDG&E, 2013
   Staff, Annual Smart Grid Report, PG&E, 2013
41 FERC, Affiliate Restrictions (formerly the Codes of Conduct), May 12, 2008
42 IVGTF Task Team 1-8, Potential Bulk System Reliability Impacts of Distributed Resources, NERC, August 2011
45 Staff, Moving Energy Storage from Concept to Reality, Southern California Edison, 2011
47 Staff, Future Ancillary Services in ERCOT draft v.1.1, ERCOT, 2013
50 P. De Martini, DR 2.0 Future of Customer Response, LBNL, 2013
52 D. Watson, et al., Fast Automated Demand Response to Enable the Integration of Renewable Resources, LBNL, 2012
53 Staff, The Integrated Grid, EPRI, 2014
Appendix C

(Temporary Service List)
************** PARTIES **************

Brian Cherry  
PACIFIC GAS AND ELECTRIC COMPANY  
PO BOX 770000, B10C  
SAN FRANCISCO CA 94177  
(415) 973-4977  
bkc7@pge.com  
For: Pacific Gas and Electric Company

______________________________

Ken Deremer  
Director, Tariff & Regulatory Accounts  
SAN DIEGO GAS & ELECTRIC COMPANY  
8330 CENURY PARK COURT, CP32C  
SAN DIEGO CA 92123-1548  
(858) 654-1756  
kderemer@semprautilities.com  
For: San Diego Gas & Electric Company

______________________________

Director Of Revenue & Tariffs  
SOUTHERN CALIFORNIA EDISON  
2244 WALNUT GROVE AVE./ PO BOX 800  
ROSEMEAD CA 91770  
advice.tariffmanager@sce.com  
For: Southern California Edison Company

______________________________

********** STATE EMPLOYEE **********

Sue Kateley  
Chief Consultant  
ASSEMBLY COMM. ON UTILITIES & COMMERCE  
STATE CAPITOL, ROOM 5136  
SACRAMENTO CA 95814  
(916) 319-2083  
sue.kateley@asm.ca.gov

Lawrence Lingbloom  
ASSEMBLY NAT. RESOURCES COMMITTEE  
1020 N STREET, ROOM 164  
SACRAMENTO CA 95814  
(916) 319-2092  
lawrence.lingbloom@asm.ca.gov

Joseph A. Abhulimen  
Office of Ratepayer Advocates  
RM. 4209  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1552

Wendy Al-Mukdad  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2311  
wmp@cpuc.ca.gov

Jose Aliaga-Caro  
Office of Ratepayer Advocates  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2338  
jc5@cpuc.ca.gov

Amy C. Baker  
Executive Division  
RM. 5210  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1691  
avb1@cpuc.ca.gov

Nathan Barcic  
Energy Division  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2357  
nbl1@cpuc.ca.gov

Valerie Beck  
Safety and Enforcement Division  
RM. 2201  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2665  
vjb@cpuc.ca.gov

Allen Benitez  
Safety and Enforcement Division  
RM. 1119  
180 Promenade Circle, Suite 115  
Sacramento CA 95834 2939  
(916) 928-2271  
ab2@cpuc.ca.gov

Werner M. Blumer  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1421

- 1 -
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200 6ETAL;

jaa@cpuc.ca.gov
wmb@cpuc.ca.gov

Traci Bone
Legal Division
RM. 5027
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2048
tbo@cpuc.ca.gov

Maribeth A. Bushey
Administrative Law Judge Division
RM. 5017
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-3362
mab@cpuc.ca.gov

Gary Collord
Stationary Source Division
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET, PO BOX 2815
SACRAMENTO CA 95812
(916) 324-5548
gcollord@arb.ca.gov

Bryan Lee
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET - MS 43
SACRAMENTO CA 95678
(916) 653-8906
BLee@energy.state.ca.us

Christine Awtrey
Appliance Efficiency Program
CALIFORNIA ENERGY COMMISSION
1516 NINTH ST., MS-25
SACRAMENTO CA 95814-5512
(916) 651-1227
Christine.Awtrey@energy.ca.gov

Clare Laufenber Gallardo
Strategic Transmission Investmt Program
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY

Cynthia Rogers
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS-22
SACRAMENTO CA 95814
(916) 651-9009
crogers@energy.state.ca.us

Fernando Pina
Manager-Energy Systems Research Office
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 327-2388
Fernando.Pina@energy.ca.gov

Gabriel Herrera
Office Of Chief Counsel
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS 14
SACRAMENTO CA 95814-5512
(916) 654-5141
gabe.herrera@energy.ca.gov

Jamie Patterson
Senior Electrical Engineer
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 327-2342
jamie.patterson@energy.ca.gov

Jason Harville
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET
SACRAMENTO CA 95814
(916) 654-3842
jason.harville@energy.ca.gov

Jeffery M. Ogata, Esq.
CALIFORNIA ENERGY COMMISSION
CHIEF COUNSELS OFFICE
1516 9TH ST., MS14
SACRAMENTO CA 95814
Marc Pryor
Electric Generation Specialist Iii
CALIFORNIA ENERGY COMMISSION
1516 NINTH ST., MS - 20
SACRAMENTO CA 95814
(916) 653-0159
marc.pryor@energy.ca.gov

Matt Coldwell
CALIFORNIA ENERGY COMMISSION
ELECTRICITY ANALYSIS OFFICE
1516 NINTH STREET, MS-20
SACRAMENTO CA 95814
(916) 651-2070
mcoldwel@energy.state.ca.us

SNeidich@energy.state.ca.us
Steve Ghadiri
Associate Electrical Engineer
CALIFORNIA ENERGY COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 327-1623
steve.ghadiri@energy.ca.gov

Sylvia Bender
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS-21
SACRAMENTO CA 95814
(916) 653-6841
sbender@energy.state.ca.us

Monica Testa
Graduate Assistant
CALIFORNIA PUBLIC UTILITIES COMMISION
EMAIL ONLY
EMAIL ONLY CA 00000
monica.testa@cpuc.ca.gov

Aloke Gupta
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-5239
aloke.gupta@cpuc.ca.gov

Amy Kochanowsky
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMERGING PROCUREMENT STRATEGIES
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-3175
amy.kochanowsky@cpuc.ca.gov

Audrey Lee
Exec
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY

Elizabeth Dorman
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1415
elizabeth.dorman@cpuc.ca.gov

Eric Manzanares
Intern
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
eric.manzanares@cpuc.ca.gov

Jaclyn Marks
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2257
jaclyn.marks@cpuc.ca.gov

Jason Perkins
CALIFORNIA PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
EMAIL ONLY
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006 ETAL;

<table>
<thead>
<tr>
<th>EMAIL ONLY</th>
<th>EMAIL ONLY CA 00000</th>
<th>(415) 703-1175</th>
<th><a href="mailto:audrey.lee@cpuc.ca.gov">audrey.lee@cpuc.ca.gov</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Audrey Lee</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY CA 00000</td>
</tr>
<tr>
<td>Chloe Lukins</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY CA 00000</td>
</tr>
<tr>
<td>Christopher Myers</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>OFFICE OF RATEPAYER ADVOCATES</td>
<td>EMAIL ONLY</td>
</tr>
<tr>
<td>Peizhi Yang</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>Intern</td>
<td>EMAIL ONLY</td>
</tr>
<tr>
<td>Sara M. Kamins</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY CA 00000</td>
</tr>
<tr>
<td>Scarlett Liang-Uejio</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
<td>CA 00000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EMAIL ONLY</th>
<th>EMAIL ONLY CA 00000</th>
<th>(415) 703-1175</th>
<th><a href="mailto:audrey.lee@cpuc.ca.gov">audrey.lee@cpuc.ca.gov</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lily Chow</td>
<td>Regulatory Analyst</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
</tr>
<tr>
<td>Mary Claire Evans</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY CA 00000</td>
</tr>
<tr>
<td>Michaela Flagg</td>
<td>CALIFORNIA PUBLIC UTILITIES COMMISSION</td>
<td>ORA</td>
<td>EMAIL ONLY</td>
</tr>
<tr>
<td>Akhila Krishnan</td>
<td>CPUC</td>
<td>505 VAN NESS AVE., RM. 5215</td>
<td>SAN FRANCISCO CA 94102</td>
</tr>
<tr>
<td>Carlos Velasquez</td>
<td>CPUC</td>
<td>EMAIL ONLY</td>
<td>EMAIL ONLY CA 00000</td>
</tr>
<tr>
<td>Charlyn Hook</td>
<td>Legal Division</td>
<td>CPUC</td>
<td>- 5 -</td>
</tr>
</tbody>
</table>
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200 ETAL;

EMAIL ONLY
EMAIL ONLY CA 00000
(415) 661-6836
scarlett.liang-uejio@cpuc.ca.gov

Shiyao Wu
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
Shiyao.Wu@cpuc.ca.gov

Tory Francisco
Energy
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2743
tory.francisco@cpuc.ca.gov

Valerie Kao
CALIFORNIA PUBLIC UTILITIES COMMISSION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1341
vuk@cpuc.ca.gov

Zaida C. Amaya
CALIFORNIA PUBLIC UTILITIES COMMISSION
ENERGY DIVISION - RESIDENTIAL PROGRAMS
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 928-4702
zaida.amaya@cpuc.ca.gov

EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-3050
charlyn.hook@cpuc.ca.gov

Legal Division
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
AppRhg@cpuc.ca.gov

Merideith Sterkel
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1873
mts@cpuc.ca.gov

Nathan Barcic
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2357
nathan.barcic@cpuc.ca.gov

Nicolas L. Chaset
Special Advisor Distributed Energy Res.
CPUC
OFFICE OF GOV. ED. G. BROWN, JR.
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 219-2121
nlc@cpuc.ca.gov

Patrick Young
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-5357
py2@cpuc.ca.gov

Aaron Lu
CPUC - ENERGY
EMAIL ONLY
EMAIL ON LY CA 00000
aaron.lu@cpuc.ca.gov

Amy Reardon

- 6 -
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Paul S. Phillips
CPUC
ENERGY DIV
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1786
Paul Phillips@cpuc.ca.gov

Rachel Mcmahon
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1606
rachel.mcmahon@cpuc.ca.gov

Rachel Peterson
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2872
Rachel.Peterson@cpuc.ca.gov

Robert L. Strauss
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-5289
robert.strauss@cpuc.ca.gov

Rory Cox
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
rory.cox@cpuc.ca.gov

Scott Murtishaw
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-5863
SGM@cpuc.ca.gov

Werner Blumer
CPUC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1420
werner.blumer@cpuc.ca.gov

CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
amy.reardon@cpuc.ca.gov

Ava N. Tran
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
ava.tran@cpuc.ca.gov

Brian Stevens
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2148
brian.stevens@cpuc.ca.gov

Carmen Best
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
carmen.best@cpuc.ca.gov

Cathleen A. Fogel
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
cathleen.fogel@cpuc.ca.gov

Daniel Buch
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2292
Daniel.Buch@cpuc.ca.gov

Dina Mackin
CPUC - ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
dina.mackin@cpuc.ca.gov

- 7 -
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 ETAL;

Frank Alan Reynolds  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
frankalan.reynolds@cpuc.ca.gov

Julia Cordell  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
julia.cordell@cpuc.ca.gov

Hazlyn Fortune  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
hazlyn.fortune@cpuc.ca.gov

Katherine Hardy  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
katherine.hardy@cpuc.ca.gov

Jaime Rose Gannon  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-2818  
jaimerose.gannon@cpuc.ca.gov

Katie Wu  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
katie.wu@cpuc.ca.gov

Jason Houck  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-1223  
jason.houck@cpuc.ca.gov

Lisa Paulo  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
lisa.paulo@cpuc.ca.gov

Jean A. Lamming  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 355-5484  
jean.lamming@cpuc.ca.gov

Michael Colvin  
Advisor  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
jeorge.tagnipes@cpuc.ca.gov

Mona Dee Dzvova  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
mona.dzvova@cpuc.ca.gov

Jeremy Battis  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
jeremy.battis@cpuc.ca.gov

Paula Gruendling  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
paula.gruendling@cpuc.ca.gov

John Erickson  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
je5@cpuc.ca.gov

Peter Franzese  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
peter.franzese@cpuc.ca.gov
********** SERVICE LIST **********

**Last Updated on 19-AUG-2014 by: JVG**

**R1408013 NOPOST**

**RESPONDENTS:** PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

---

Peter Lai  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
peter.lai@cpuc.ca.gov

Peter Skala  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
pete.skala@cpuc.ca.gov

Simon Baker  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
simon.baker@cpuc.ca.gov

Syreeta Gibbs  
CPUC - ENERGY  
EMAIL ONLY  
EMAIL ONLY CA 00000  
syreeta.gibbs@cpuc.ca.gov

Donald J. Brooks  
CPUC - ENERGY DIV.  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-2626  
DBR@cpuc.ca.gov

Noel Crisostomo  
CPUC - ENERGY DIV.  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-5404  
nc1@cpuc.ca.gov

Jeanne Clinton  
CPUC - EXEC. DIV  
EMAIL ONLY

---

Michael Minkus  
Legislative Liaison  
CPUC - OFFICE OF GOV'T AFFAIRS  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(916) 905-7364  
michael.minkus@cpuc.ca.gov

Claire Eustace  
Project Coordinator  
CPUC - ORA  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-1889  
CCE@cpuc.ca.gov

David B. Peck  
CPUC - ORA  
ELECTRICITY PRICING & CUSTOMER PROGRAM  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-1213  
dbp@cpuc.ca.gov

Joanna Gubman  
Regulatory Analyst  
CPUC - PROCUREMENT ADEQUACY & OVERSIGHT  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-2333  
joanna.gubman@cpuc.ca.gov

Ravneet Kaur  
Regulatory Analyst  
CPUC - PUBLIC ADVISOR'S OFFICE  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 703-1972  
Ravneet.Kaur@cpuc.ca.gov

Elizaveta Malashenko
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006ETAL:

EMAIL ONLY CA 00000
jeanne.clinton@cpuc.ca.gov

Christine Hammond
CPUC - LEGAL
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-1461
cjh@cpuc.ca.gov

CPUC - SED
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 703-2274
elizaveta.malashenko@cpuc.ca.gov

Jennifer Caron
Executive Division
AREA 2-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5499
jc8@cpuc.ca.gov

Ed Charkowicz
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2421
eac@cpuc.ca.gov

Melicia Charles
Executive Division
RM. 5212
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5502
mvc@cpuc.ca.gov

Connie Chen
Energy Division
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2168
cc5@cpuc.ca.gov

Franz Cheng
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1536
fcc@cpuc.ca.gov

Jeanne Clinton
Executive Division
RM. 5221
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1159
cln@cpuc.ca.gov

Joe Como
Office of Ratepayer Advocates
RM. 4201
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2381
joc@cpuc.ca.gov

Noel Crisostomo
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5404
nc1@cpuc.ca.gov

Christopher Danforth
Office of Ratepayer Advocates
RM. 4209
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1481
ctd@cpuc.ca.gov

Lily Chow
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2575
cho@cpuc.ca.gov

Radu Ciupagea
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5235
rc5@cpuc.ca.gov

Christopher Clay
Legal Division
RM. 4300
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1123
cec@cpuc.ca.gov

Regina DeAngelis
Administrative Law Judge Division
RM. 5105
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2011
rmd@cpuc.ca.gov

Elizabeth Dorman
Legal Division
RM. 4300
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1415
edd@cpuc.ca.gov

Paul Douglas
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5579
psd@cpuc.ca.gov

Dorothy Duda
Administrative Law Judge Division
RM. 5110
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2800
dot@cpuc.ca.gov

Damon A. Franz
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2165
df1@cpuc.ca.gov

David M. Gamson
Administrative Law Judge Division
RM. 5019
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1232
dmg@cpuc.ca.gov

Monisha Gangopadhay
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1417
mgb@cpuc.ca.gov
Russell Edwards  
Energy Division  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1458  
re1@cpuc.ca.gov

Robert Elliott  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2527  
rae@cpuc.ca.gov

Julie A. Fitch  
Executive Division  
RM. 5214  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-3134  
jf2@cpuc.ca.gov

Hazlyn Fortune  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2317  
hcf@cpuc.ca.gov

Farzad Ghazzagh  
Office of Ratepayer Advocates  
RM. 4102  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1694  
fxg@cpuc.ca.gov

Syreeta Gibbs  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1622  
syg@cpuc.ca.gov

Alice Glasner  
Office of Ratepayer Advocates  
RM. 4102  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 355-5580  
ag6@cpuc.ca.gov

Sudheer Gokhale  
Office of Ratepayer Advocates  
RM. 4102  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2247  
skg@cpuc.ca.gov

Cody Goldthrite  
Executive Division  
RM. 5218  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2722  
cde@cpuc.ca.gov

Paula Gruendling  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1925

Karin M. Hieta  
Office of Ratepayer Advocates  
RM. 4102  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-4253  
kar@cpuc.ca.gov

Kelly A. Hymes  
Administrative Law Judge Division  
RM. 5111  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-5132
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

Zita Kline
Office of Ratepayer Advocates
RM. 4102
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-3113
mk1@cpuc.ca.gov

Megha Lakhchaura
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1183
mla@cpuc.ca.gov

Dorris Chow
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5284
dnl@cpuc.ca.gov

Adam Langton
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1812
ahl@cpuc.ca.gov

Yakov Lasko
Office of Ratepayer Advocates
RM. 4101
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2287
yl@cpuc.ca.gov

Diana L. Lee
Legal Division
RM. 4107
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-4342
dil@cpuc.ca.gov

(415) 703-2197
mk1@cpuc.ca.gov

(415) 703-1862
rl4@cpuc.ca.gov

Xian "Cindy" Li
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1546
xl2@cpuc.ca.gov

Scarlett Liang-UEJIO
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1851
scl@cpuc.ca.gov

James Loewen
Energy Division
320 West 4th Street Suite 500
Los Angeles CA 90013
(213) 620-6341
loe@cpuc.ca.gov

Katherine MacDonald
Administrative Law Judge Division
RM. 5042
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1839
kk3@cpuc.ca.gov

Anthony Mazy
Office of Ratepayer Advocates
RM. 4209
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-3036
aml@cpuc.ca.gov

Jeanne McKinney
Administrative Law Judge Division
RM. 5011
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2550
jmo@cpuc.ca.gov
Rachel Mcmahon  
Energy Division  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1606  
rcl@cpuc.ca.gov

Charles Mee  
Office of Ratepayer Advocates  
RM. 4102  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1147  
cqm@cpuc.ca.gov

Matt Miley  
Legal Division  
RM. 5135  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-3066  
mm2@cpuc.ca.gov

Rhahm Momoh  
Safety and Enforcement Division  
AREA 2-E  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1725  
rmm@cpuc.ca.gov

Irene K. Moosen  
Administrative Law Judge Division  
RM. 5103  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-3464  
im2@cpuc.ca.gov

Candace Morey  
Legal Division  
RM. 5037  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-3211  
cjm@cpuc.ca.gov

Rajan Mutialu  
Christopher Myers  
Office of Ratepayer Advocates  
RM. 4104  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-2908  
cg2@cpuc.ca.gov

Pamela Nataloni  
Legal Division  
RM. 5124  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-4132  
jpn@cpuc.ca.gov

Arthur J. O'Donnell  
Energy Division  
RM. 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1184  
ao1@cpuc.ca.gov

Shannon O'Rourke  
Energy Division  
AREA 4-A  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-5574  
sr6@cpuc.ca.gov

Tony Marino  
OFFICE OF SENATOR JERRY HILL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(916) 651-4013  
tony.marino@sen.ca.gov

Jamie Ormond  
Energy Division  
505 Van Ness Avenue  
San Francisco CA 94102 3298  
(415) 703-1193  
jo2@cpuc.ca.gov

Ke Hao Ouyang  
Safety and Enforcement Division
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2039
rm3@cpuc.ca.gov

Lisa Paulo
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5495
lp1@cpuc.ca.gov

David Peck
Office of Ratepayer Advocates
RM. 4108
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1213
dbp@cpuc.ca.gov

Rachel Ann Peterson
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2872
rp1@cpuc.ca.gov

Gabriel Petlin
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1677
gp1@cpuc.ca.gov

Michael B. Pierce
Communications Division
AREA 3-F
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2618
mbp@cpuc.ca.gov

AREA 2-E
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1235
kho@cpuc.ca.gov

Edward F. Randolph
Energy Division
RM. 4004
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2083
efr@cpuc.ca.gov

Amy Reardon
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5236
arr@cpuc.ca.gov

Neal Reardon
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5274
nmr@cpuc.ca.gov

Nika Rogers
Office of Ratepayer Advocates
RM. 4101
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1529
nlr@cpuc.ca.gov

Stephen C. Roscow
Administrative Law Judge Division
RM. 5010
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1053
scr@cpuc.ca.gov
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Marcelo Poirier
Executive Division
RM. 5025
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2913
mpo@cpuc.ca.gov

Junaid Rahman
Energy Division
RM. 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1189
jnr@cpuc.ca.gov

Lauren Saine
Communications Division
AREA 3-D
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5490
lbs@cpuc.ca.gov

Lisa-Marie Salvacion
Legal Division
RM. 5029
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2069
lms@cpuc.ca.gov

Ehren Seybert
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5991
es2@cpuc.ca.gov

Yuliya Shmidt
Office of Ratepayer Advocates
RM. 4209
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2719
ys2@cpuc.ca.gov

Merideth Sterkel
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1873
mts@cpuc.ca.gov

Anne E. Simon
Administrative Law Judge Division
RM. 5104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2014
aes@cpuc.ca.gov

Lee-Whei Tan
Office of Ratepayer Advocates
RM. 4102
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2901
lwt@cpuc.ca.gov

Sean A. Simon
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-3791

Leuwam Tesfai
Administrative Law Judge Division
RM. 5040
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2403
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

svn@cpuc.ca.gov
Devla Singh
Executive Division
AREA 3-B
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5581
dsc@cpuc.ca.gov

lt3@cpuc.ca.gov
Sarah R. Thomas
Legal Division
RM. 5033
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2310
srt@cpuc.ca.gov

Peter Spencer
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2109
phs@cpuc.ca.gov

Ava N. Tran
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2887
atr@cpuc.ca.gov

Stephen St. Marie
Executive Division
RM. 5203
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5173
sst@cpuc.ca.gov

Lana Tran
Safety and Enforcement Division
AREA 2-D
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5359
ltt@cpuc.ca.gov

Rebecca Tsai-Wei Lee
Office of Ratepayer Advocates
RM. 1250
770 L Street, Suite 1250
Sacramento CA 95814
(916) 327-1407
wtr@cpuc.ca.gov

Joyce de Rossett
Division of Water and Audits
AREA 3-C
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5472
jdr@cpuc.ca.gov

Christopher R Villarreal
Policy & Planning Division
RM. 5119
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1566
crv@cpuc.ca.gov

Michael Mazur
3 PHASES ELECTRICAL CONSULTING (1373)
2100 SEPULVEDA BLVD., STE. 37
MANHATTAN BEACH CA 90266
energy@3phaserenewables.com

Karen Camille Watts-Zagha
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298

Margo Burrows
Manager - Office & Accounts
3 PHASES RENEWABLES, LLC
2100 SEPULVEDA BLVD., STE. 38
MANHATTAN BEACH CA 90266
(415) 703-2881
kwz@cpuc.ca.gov

Keith D White
Energy Division
AREA 4-A
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5473
kwh@cpuc.ca.gov

Dan Willis
Office of Ratepayer Advocates
RM. 4104
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2384
dw1@cpuc.ca.gov

Marzia Zafar
Policy & Planning Division
RM. 5119
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-1997
zaf@cpuc.ca.gov

Zhen Zhang
Executive Division
RM. 5102
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-2624
zzl@cpuc.ca.gov

(310) 939-1283 X-301
mburrows@3phasesrenewables.com
For: Appendix D

(415) 395-1283 X-301
mburrows@3phasesrenewables.com
For: Appendix D

Susan E. Brown
Attorney At Law
A WORLD INSTITUTE FOR SUSTAINABLE HUMANI
PO BOX 428
MILL VALLEY CA 94942
(415) 259-6316

Peter Thompson
Sales Manager
ABENGOA SOLAR IST
11500 WEST 13TH AVENUE
LAKEWOOD CO 80215
(303) 928-8500
peter.thompson@solar.abengoa.com

Tandy Mcmannes
ABENGOA SOLAR, INC.
235 PINE STREET, STE. 1800
SAN FRANCISCO CA 94104
(415) 391-1782
tandy.mcmannes@solar.abengoa.com

Jaimie Levin
AC TRANSIT
1600 FRANKLIN STREET
OAKLAND CA 94707
(510) 891-7244
jlevin@actransit.org

Mike Dooley
Vp Of Marketing
AE SOLAR ENERGY, INC.
PO BOX 7348
BEND OR 97708-7348
(541) 312-3832
mike.dooley@aei.com

AES SOUTHLAND
EMAIL ONLY
EMAIL ONLY CA 00000
aes_ltpp@aes.com

Arleen Novotney
ACCESS / SCF
EMAIL ONLY
EMAIL ONLY CA 00000
(310) 827-7666
akawnov@yahoo.com

Daniel L. Cardozo
ADAMS BROADWELL JOSEPH & CARDozo
520 CAPITOL MALL, STE. 350
SACRAMENTO CA 95814-4715
(916) 444-6201
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

dcardozo@adamsbroadwell.com

Marc D. Joseph
ADAMS BROADWELL JOSEPH & CARDOZO
601 GATEWAY BLVD., SUITE 1000
SOUTH SAN FRANCISCO CA 94080
(650) 589-1660
mdjoseph@adamsbroadwell.com

Thomas A. Enslow
ADAMS BROADWELL JOSEPH & CARDOZO
520 CAPITOL MALL, SUITE 350
SACRAMENTO CA 95814-4715
(916) 444-6201
TEnslow@adamsbroadwell.com

Jamie L. Mauldin
ADAMS BROADWELL JOSEPH & CARDOZO, PC
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 589-1660
jmauldin@adamsbroadwell.com

Chris Ross
Director, Global Site Operations
ADOBE SYSTEMS INC.
345 PARK AVENUE
SAN JOSE CA 95110
(408) 536-6444
cross@adobe.com

Bill Randle
ADVANCED ENERGY INDUSTRIES
20720 BRINSON BLVD.
BEND OR 97701
(541) 323-4441
bill.randle@aei.com

Eric Pendergraft
AES SOUTHLAND LLC
690 NORTH STUDEBAKER ROAD
LONG BEACH CA 90803
(562) 493-7891
eric.pendergraft@aes.com

Ronald K. Ishii
AESC, INC.
5927 BALFOUR COURT, SUITE 213
CARLSBAD CA 92008
(760) 931-2641 X112
rishii@aesinc.com

Michael Boccadoro
AGRICULTURAL ENERGY CONSUMERS ASSN
925 L STREET, STE. 800
SACRAMENTO CA 95814
(916) 441-4383
MBoccadoro@DolphinGroup.org

Beth Olhasso
AGRICULTURAL ENERGY CONSUMERS ASSOC
925 L STREET, SUITE 800
SACRAMENTO CA 95814
(916) 441-4303
aeaonline@gmail.com

Don Brookhyser
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY CA 00000
deb@a-klaw.com

Evelyn Kahl
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 403-5542
ek@a-klaw.com

John McIntyre
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850

Thomas R. Adcock
President
ALISAL WATER CORPORATION
SAN FRANCISCO CA 94105
(415) 421-4143 X-109
jfm@a-klaw.com

Karen Terranova
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO CA 94105
(415) 403-5542
filings@a-klaw.com

Katy Rosenberg
ALCANTAR & KAHL
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 421-4143
klr@a-klaw.com

Mike Cade
ALCANTAR & KAHL
1300 SW 5TH AVENUE, STE. 1750
PORTLAND OR 97201
(503) 402-8711
wmc@a-klaw.com

Nora Sheriff
ALCANTAR & KAHL LLP
33 NEW MONTGOMERY ST., STE. 1850
SAN FRANCISCO CA 94105
(415) 421-4143
nes@a-klaw.com

Katherine Morsohy
ALCANTAR & KAHL, LLP
33 NEW MONTGOMERY STREET, STE. 1850
SAN FRANCISCO CA 94105
(415) 421-4143
klr@a-klaw.com

Michael P. Alcantar
Attorney At Law
ALCANTAR & KAHL, LLP
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO CA 94105
(415) 421-4143
mpa@a-klaw.com

SAN FRANCISCO CA 94105
249 WILLIAMS ROAD
SALINAS CA 93905
(831) 424-0441
tom@alcowater.com

Mark S. Shirilau, Ph.D, Pe
President & Ceo
ALOHA SYSTEMS, INCORPORATED
8539 BARNWOOD LANE
RIVERSIDE CA 92508-7126
(951) 780-9903
MarkS@AlohaSys.com

Adam Lorimer
ALPHABET ENERGY INC.
239 8TH ST., S239 8TH ST., STE. 12
SAN FRANCISCO CA 94103
(925) 408-1812
adam@alphabetenergy.com

Eric J. Paul
ALTA TERRA RESEARCH
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 480-6828 X-374
e.paul@altaterra.net

Jonathan Word
ALTON ENERGY
4039 ALTON WAY
ESCONDIDO CA 92025
(602) 540-6309
word@altonenergy.com

Ed Duggan
ALTON ENERGY, INC.
6201 SHELLEY DRIVE
HUNTINGTON BEACH CA 92647
(661) 747-0991
jed@altonenergy.com

Hal Romanowitz
Ceo
ALTON ENERGY, INC.
4039 ALTON WAY
ESCONDIDO CA 92025
(661) 747-0990
hal@AltonEnergy.com
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPENDIX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006 ETAL;

Jon Mancini
AMEREX ENERGY
EMAIL ONLY
EMAIL ONLY RI 00000
(401) 640-6527
jmancini@amerexenergy.com

Jessalyn Ishigo
AMERICAN HONDA MOTOR CO., INC.
1919 TORRANCE BLVD.
TORRANCE CA 90501
(310) 781-4865
jessalyn_ishigo@ahm.honda.com

Ryan Harty
AMERICAN HONDA MOTOR CO., INC.-EBD OFF.
1919 TORRANCE BLVD., MS 100-3W-5E
TORRANCE CA 90501
(310) 783-3962
ryan_harty@ahm.honda.com

Don Anair
EMAIL ONLY
EMAIL ONLY CA 00000
danair@ucsusa.org

Gloria Britton
Regulatory Affairs Mgr.
ANZA ELECTRIC CO-OPERATIVE, INC (909)
PO BOX 39109 / 58470 HIGHWAY 371
ANZA CA 92539-1909
(909) 763-4333
GloriaB@anzaelectric.org

Stefan Matan
APPARENT, INC.
7428 REDWOOD BLVD., SUITE 102
NOVATO CA 94945
Stefan.matan@apparent.com

Rachel Holmes
APPLIANCES RECYCLING CENTER OF AM., INC.
7400 EXCELSIOR BLVD.
MINNEAPOLIS MN 55426
(952) 930-1751
rholmes@arcainc.com

Joseph Weiss
APPLIED CONTROL SOLUTIONS, LLC
10029 OAKLEAD PLACE
CUPERTINO CA 95014
(408) 253-7934
joe.weiss@realtimeacs.com

Andrew Meiman
ARC ALTERNATIVES
144 DONALD DRIVE
MORAGA CA 94556
(415) 297-9870
andrew@arc-alternatives.com

Ross Allen Buntrock
AREN'T FOX LLP
1717 K STREET, NW
WASHINGTON DC 20036-5342
(202) 857-6101
Ross.Buntrock@ArentFox.com

ASPECT LABS
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(408) 876-7470
kladko@aspectlabs.com

Diana Polulyakh
ASPECT LABS
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 876-7470
diana@aspectlabs.com

Brewster Birdsall, P.E., Qep
ASPEN ENVIRONMENTAL GROUP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 696-5305
BBirdsall@aspeneg.com

Gerald Lahr
Energy Programs Mgr.
ASSOCIATION OF BAY AREA GOVERNMENTS
101 8TH ST.
OAKLAND CA 94607
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Jack Cameron
President
APPLIANCES RECYCLING CENTERS OF AM., INC
7400 EXCELSIOR BLVD
MINNEAPOLIS MN 55426-4517
(952) 930-1717
jcameron@arcainc.com

Jennifer Berg
Bayren Project Manager
ASSOCIATION OF BAY AREA GOVERNMENTS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 464-7947
Jennyb@abag.ca.gov

James L. Hodges
And Energy Services
ASSOCIATION OF CALIFORNIA COMMUNITY
1069 45TH STREET
SACRAMENTO CA 95819
(916) 451-7011
hodgesjl@surewest.net

David M. Wylie, Pe
ASW ENGINEERING
2512 CHAMBERS ROAD, SUITE 103
TUSTIN CA 92780
(714) 731-8193
dwylie@aswengineering.com

Agnes Ng
AT&T CALIFORNIA
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 778-1390
agnes.ng@att.com

Michelle K. Choo
AT&T CALIFORNIA
525 MARKET STREET, 20TH FLOOR, NO.2
SAN FRANCISCO CA 94105
(415) 778-1489
michelle.choo@att.com

Ramiz I. Rafeedie
General Attorney
AT&T CALIFORNIA
525 MARKET STREET., ROOM 2024
SAN FRANCISCO CA 94105-2728
(415) 778-1465
ramiz.rafeedie@att.com

Scott J. Sachs
ATKINSON ANDELSON LOYA RUUD & ROMO
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(562) 653-3200
ssachs@aalrr.com

W. Bryce Chastain
ATKINSON ANDELSON LOYA RUUD & ROMO
3075 HOPYARD RD., STE. 210
PLEASANTON CA 94588-2797
(925) 227-9200
bchastain@aalrr.com

Stephen M. Barrager
BAKER STREET PUBLISHING, LLC
2703 BRODERICK STREET
SAN FRANCISCO CA 94123
(650) 504-1578
steve@bakerstreetpublishing.com

Terry Mohn
Vp, Regulatory Affairs
BALANCE ENERGY, A BAE SYSTEMS INITIATIVE
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(619) 743-1989
terry.mohn@balanceenergysolutions.com

Ethan Brown
BALLARD POWER SYSTEMS
2 INDUSTRIAL AVE.
LOWELL MA 18510
(202) 320-2351
Ethan.Brown@Ballard.com

Dhad Chahbazi
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200

Ross Johnson
AT&T CALIFORNIA
525 MARKET ST., STE. 1944
SAN FRANCISCO CA 94105
(415) 778-1299
rdj@att.com

David P. Discher
Attorney At Law
AT&T COMMUNICATIONS OF CALIFORNIA, INC
525 MARKET ST., RM. 2028
SAN FRANCISCO CA 94105
(415) 778-1464
david.discher@att.com

BAP POWER CORP. D/B/A/CENERGY POWER
3176 LIONSHEAD AVE., NO. 11
CARLSBAD CA 92010
(714) 727-8000
Chad@CenergyPower.com

Barbara R. Barkovich
BARKOVICH & YAP, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(707) 937-6203
barbara@barkovichandyap.com

Cathy Yap
BARKOVICH & YAP, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 450-1270
Cathy@BarkovichAndYap.com

Marc Davis
BARNUM & CELILLO ELECTRIC, INC.
3900 TAYLOR STREET
SACRAMENTO CA 95838
(916) 646-4661
mdavis@barnumcelillo.com

Sean Matlock
Energy Prescheduler
BEAR VALLEY ELECTRIC SERVICE
42020 GARSTIN DRIVE / PO BOX 1547
BIG BEAR LAKE CA 92315
(909) 866-4678
smatlock@gswater.com

Reed V. Schmidt
BARTLE WELLS ASSOCIATES
1889 ALCATRAZ AVENUE
BERKELEY CA 94703-2714
(510) 653-3399 X111
rschmidt@bartlewells.com

Ryan Wiser
BERKELEY LAB
1 CYCLOTRON ROAD, MS-90-4000
BERKELEY CA 94720
(510) 486-5474
rhwiser@lbl.gov

Jason M. Ackerman
BEST BEST & KRIEGER
EMAIL ONLY
EMAIL ONLY CA 00000
(951) 686-1450
jason.ackerman@bbklaw.com

Michael Berlinski
BEACON POWER LLC
65 MIDDLESEX ROAD
TYNSBORO MA 01879
(978) 661-2075
berlinski@beaconpower.com

Joshua Nelson
BEST BEST & KRIEGER LLP
500 CAPITOL MALL, STE. 1700
SACRAMENTO CA 95814
(916) 551-2859
joshua.nelson@bbklaw.com

- 24 -
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL:

Ronald Moore
Sr Analyst, Regulatory Affairs
BEAR VALLEY ELECTRIC
630 EAST FOOTHILL BOULEVARD
SAN DIMAS CA 91773
(909) 394-3600 X 682
rkmoore@gswater.com

Joseph Phalen
Energy Prescheduler
BEAR VALLEY ELECTRIC SERVICE
42020 GARSTIN DRIVE / PO BOX 1547
BIG BEAR LAKE CA 92315
(909) 866-4678
Joseph.Phalen@bves.com

Peter Pearson
BEAR VALLEY ELECTRIC SERVICE
EMAIL ONLY
EMAIL ONLY CA 00000
(909) 866-4678 X186
Peter.Pearson@bves.com

Sophie Akins
BEST BEST & KRIEGER LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(760) 200-3056
sophie.akins@bbklaw.com

Robert L. Knight
BEVILACQUA-KNIGHT INC.
1000 BROADWAY, SUITE 410
OAKLAND CA 94607
(510) 444-8707 X223
rknight@bki.com

Matthew Plante
BIDGELY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(617) 571-8027
mplante@bidgely.com

Monica A. Schwebs
BINGHAM MCCUTCHEN LLP
THREE EMBARCADERO CENTER
SAN FRANCISCO CA 94111
(415) 393-2575
monica.schwebs@bingham.com

Frank J. Mazanec
BIOFUELS ENERGY LLC
2211 ENCINITAS BLVD.
ENCINITAS CA 92024
(760) 994-4572
fmazanec@biofuelsenergyllc.com

William Kissinger
BINGHAM MCCUTCHEN LLP
THREE EMBARCADERO CENTER, 28TH FL.
SAN FRANCISCO CA 94111
(415) 393-2850
william.kissinger@bingham.com

Len Canty
Chairman
BLACK ECONOMIC COUNCIL
484 LAKE PARK AVE., SUITE 338
OAKLAND CA 94610
(510) 452-1337

Caryn Lai
BINGHAM MCCUTCHEN, LLP
1900 UNIVERSITY AVENUE
EAST PALO ALTO CA 94303
(650) 849-4960

Erin Grizard
BLOOM ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 201-7944
******************************** SERVICE LIST ********************************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

caryn.lai@bingham.com
Sarah M. Keane
Attorney
BINGHAM MCCUTCHEN, LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 393-2024
sarah.keane@bingham.com

Devin Mcdonell
BINGHAM MCCUTHCHEN
THREE EMBARCADERO CENTER
SAN FRANCISCO CA 94111
(415) 393-2358
devin.mcdonell@bingham.com

Julia A. Levin
Executive Director
BIOENERGY ASSOCIATION OF CALIFORNIA
PO BOX 6184
ALBANY CA 94706
(510) 610-1733
jlevin@bioenergyca.org

David Albers
BIOENERGY SOLUTIONS, LLC
PO BOX 2282
BAKERSFIELD CA 93303-2282
(661) 617-6240
dalbers@americandairyparks.com

Erin.Grizard@BloomEnergy.com
Josh Richman
BLOOM ENERGY CORPORATION
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 543-1547
jrichman@bloomenergy.com

Kris Kim
BLOOMENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(408) 543-1032
Kris.Kim@bloomenergy.com

Michael Crane
BLUESTAR ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY IL 00000
mcrane@bluestarenergy.com

Barb Boice
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 374-5477
bboice02@yahoo.com

Tony Braun
BRAUN BALISING MCLAUGHLIN PC
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 326-4449
braun@braunlegal.com

Nicole Wright
BRAUN BLAISING MCLAUGHLIN & SMITH
915 L STREET, SUITE 1270
SACRAMENTO CA 95814
(916) 326-5812
nicole@braunlegal.com

Scott Blaising
BRAUN BLAISING MCLAUGHLIN P.C.
EMAIL ONLY

David Schlosberg
Sr. Mgr.-Regulatory & Market Affairs
BRIGHTSOURCE ENERGY, INC.
1999 HARRISON ST., STE. 2150
OAKLAND CA 94612
(510) 250-8816
dschlosberg@brightsourceenergy.com

Bill Brobeck
BROBECK SOLAR ENERGY LLC

- 26 -
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

EMAIL ONLY CA 00000
(916) 682-9702
blaising@braunlegal.com

Steven J. Keene
BRAUN BLAISING MCLAUGHLIN SMITH, P.C.
915 L STREET, SUITE 1270
SACRAMENTO CA 95814
(916) 339-0266
keene@braunlegal.com

Justin C. Wynne
Attorney At Law
BRAUN BLAISING MCLAUGHLIN, P.C.
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 326-5813
wynne@braunlegal.com

Ryan Bernardo
BRAUN BLAISING MCLAUGHLIN, P.C.
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 912-4432
bernardo@braunlegal.com

Elke Brazel
EMAIL ONLY
EMAIL ONLY CA 00000
ebrazel@verizon.net

Bob Stuart
BRIGHT SOURCE ENERGY, INC.
1999 HARRISON STREET, SUITE 2150
OAKLAND CA 94612
(510) 550-8905
rstuart@brightsourceenergy.com

Eddie H. Ahn
BRIGHTLINE DEFENSE PROJECT
1028A HOWARD STREET
SAN FRANCISCO CA 94103
(415) 252-9700
eddie@brightlinedefense.org

1125 BOLLINGER CANYON ROAD
MORAGA CA 94556
(925) 788-9652
bill@brobecksolarenergy.com

Margaret Miller
Dir - Regulatory Affairs
BROOKFIELD ENERGY MARKETING
513 SAN MARCO PLACE
EL DORADO HILLS CA 95762
(916) 673-3082
Margaret.Miller@brookfieldrenewable.com

Shaun Logue
BROOKFIELD ENERGY MARKETING, INC.
480 BLVD. DE LA CITE
GATINEAU PQ J8T 8R3
CANADA
(819) 561-8851
shaun.logue@brookfieldrenewable.com

Margaret Miller
BROOKFIELD RENEWABLE ENERGY GROUP
513 SAN MARCO PLACE
EL DORADO HILLS CA 95762
(916) 673-3082
margaret.miller@brookfieldrenewable.com

Adam Ross
BROWN AND CALDWELL
201 N CIVIC DR., STE. 115
WALNUT CREEK CA 94596
(925) 210-2535
ARoss@brwncauld.com

Andrew O. Kaplan, Esq.
BROWN RUDNICK LLP
ONE FINANCIAL CENTER
BOSTON MA 02111
(617) 856-8369
AKaplan@BrownRudnick.com

Bruce Mast

Chris Ann Dickerson
Dir Of Programs
BUILD IT GREEN
1330 BROADWAY, STE 1702
OAKLAND CA 94612
(510) 590-3360 X 111
bruce@builditgreen.org

Robert Smith, Ph.D.
BUILDING INFORMATION MODEL-CALIFORNIA
21352 YARMOUTH LANE
HUNTINGTON BEACH CA 92646-7058
(714) 536-1084
bobsmithttl@gmail.com

Peter C. Jacobs
BUILDING METRICS INC.
2540 FRONTIER AVE. SUITE 100
BOULDER CO 80304
(720) 284-4393
pjacobs@buildingmetrics.biz

Shandra (Tiger) Adolf
Dir - Program Design / Mkt Development
BUILDING PERFORMANCE INSTITUTE, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(518) 951-0666
tadolf@bpi.org

Xavier Baldwin
Burbank Power & Water
164 West Magnolia Blvd.
Burbank CA 91502
(818) 238-3557
 XBaldwin@ci.burbank.ca.us

Deane Burk
EMAIL ONLY
EMAIL ONLY CA 00000
deane.burk@water.ca.gov

Joe Gamoran
C3 Energy
EMAIL ONLY
EMAIL ONLY CA 00000
(646) 478-8509
joel.gamoran@c3energy.com

Richelle Orlando
CA Cable & Telecommunications Assoc
1001 K STREET, 2ND FLOOR
Sacramento CA 95814

CAD Consulting
720B Canyon Oaks Dr.
Oakland CA 94605
(510) 562-1034
cadickerson@cadconsulting.biz

Allan Lee
Exec. Dir., Energy Services Division
Cadmus
EMAIL ONLY
EMAIL ONLY OR 00000
(503) 467-7127
allen.lee@cadmusgroup.com

Joseph B. Williams
Victoria M. Lauterbach
Cadwalader, Wickersham, & Taft LLP
700 Sixth Street, N.W.
Washington DC 20001
(202) 862-2480
Joseph.williams@cwt.com

David J. Blackburn
CAISO
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 351-2210
dblackburn@caiso.com

Tom Eckhart
CEO
CAL-UCONS
10612 NE 46TH STREET
KIRKLAND WA 98033
(425) 576-5409
tom@ucons.com

John W. Gould
CAL-UCONS, Inc.
5737 SW 18TH AVE.
PORTLAND OR 97239
(503) 956-5320
johnwgould@comcast.net

Anthony Harrison
CAL. Energy Efficiency Industry Council
436 14TH ST., SUITE 1020
Oakland CA 94612
(831) 252-5334
policy@efficiencycouncil.org
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

(916) 476-3168
ro@calcable.org

Margie Gardner
Executive Director
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL
436 14TH STREET, SUITE 1020
OAKLAND CA 94612
(503) 810-1155
mgardner@efficiencycouncil.org

Margie Gardner
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 390-6413
policy@efficiencycouncil.org

Beth Ann Burns
CAL. INDEPENDENT SYSTEM OPERATOR CORP.
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7146
bburns@caiso.com

Bernadette Del Chiaro
CAL. SOLAR ENERGY INDUSTRIES ASSOCIATION
1107 9TH ST., STE. 820
SACRAMENTO CA 95814
(916) 228-4567
bernadette@calseia.org

Zeynep Erdal
CAL. WASTEWATER CLIMATE CHANGE GROUP
155 GRAND AVE., STE. 800
OAKLAND CA 94612
(510) 206-3820
zeynep.erdal@ch2m.com

James H. Caldwell, Jr
EMAIL ONLY
EMAIL ONLY CA 00000
JHCaldwellJr@gmail.com

Lesla Lehtonen
Svp & Gen Counsel
CALIF. CABLE & TELECOMMUNICATIONS ASSN.

Irene M. Stillings
Executive Director
CALIF. CTR. FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(858) 244-1177
imstillings@att.net

Shucheng Liu
Principal, Market Development
CALIF. INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7204
SLiu@caiso.com

David Zlotlow
CALIF. INDEPENDENT SYSTEM OPERATOR CORP
250 OUTCROPPING WAY
FOLSOM CA 95662
(916) 608-7007
dzlotlow@caiso.com

Judith B. Sanders
Sr. Counsel
CALIF. INDEPENDENT SYSTEM OPERATOR CORP
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7143
jsanders@caiso.com

Delphine Hou
CALIF. INDEPENDENT SYSTEMS OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-5910
dhou@caiso.com

Ricardo Amon
Food Industry Energy Specialist
CALIF. INST. OF FOOD & AGRI. RESEARCH
UC - DAVIS
EMAIL ONLY
EMAIL ONLY CA 00000
1001 K STREET, 2ND FLOOR
SACRAMENTO CA 95814-3832
(916) 446-7732
Lesla@calcable.org

Adam Kotin
Policy Associate
CALIF. CLIMATE AND AGRICULTURE NETWORK
1029 K STREET, SUITE 37
SACRAMENTO CA 95814
(916) 441-4042
calcan.filings@gmail.com

(530) 304-8951
ramon@ucdavis.edu

Dr. Stephanie Pincetl
Institute Of Environment, Ucla
CALIF.CENTER FOR SUSTAINABLE COMMUNITIES
LA KRETZ HALL, 300
619 CHARLES E. YOUNG DR. EAST
LOS ANGELES CA 90095
(310) 825-2434
spincetl@ioes.ucla.edu

Michael Scheible
Deputy Executive Officer
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO CA 95677
(916) 324-6021
mscheibl@arb.ca.gov

Tom Pomales
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO CA 95812
(916) 322-2052
tpomales@arb.ca.gov

Neil Black
CALIFORNIA BIOENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(214) 916-9359
nblack@calbioenergy.com

N. Ross Buckenham
CALIFORNIA BIOENERGY LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(214) 849-9886
rbuckenham@calbioenergy.com

Eugene S Wilson
CALIFORNIA CLEAN ENERGY COMMITTEE
3502 TANAGER AVE.
DAVIS CA 95616-7531
wilson1224@gmail.com

Asish Gautam
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-22
SACRAMENTO CA 95814
(916) 654-3900
Agautam@energy.state.ca.us

Bryan Neff
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS-20
SACRAMENTO CA 95814-5512
(916) 654-4414
BNeff@energy.state.ca.us

David Hungerford
CALIFORNIA ENERGY COMMISSION
DEMAND ANALYSIS OFFICE
1516 NINTH STREET, MS-22
SACRAMENTO CA 95814
(916) 654-4906
dhungerf@energy.state.ca.us

David Vidaver
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-20
SACRAMENTO CA 95814-5512
(916) 654-4656
dvidaver@energy.state.ca.us

Diana Chong
Energy Analyst
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS-45
SACRAMENTO CA 95814
(916) 653-1628

- 30 -
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-
OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200
ETAL;

Beth Vaughan
Exe. Dir.
CALIFORNIA COGENERATION COUNCIL
4391 NORTH MARSH ELDER CT.
CONCORD CA 94521
(925) 408-5142
beth@beth411.com

David L. Modisette
Executive Director
CALIFORNIA ELECTRIC TRANSP. COALITION
1015 K STREET, SUITE 200
SACRAMENTO CA 95814
(916) 551-1943
dave@ppallc.com

Margaret Sheridan
CALIFORNIA ENERGY COMMISSION
DEMAND ANALYSIS OFFICE
1516 NINTH STREET, MS-22
SACRAMENTO CA 95814
(916) 651-9077
msherida@energy.state.ca.us

Payam Narvand
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-45
SACRAMENTO CA 95814
pnarvand@energy.state.ca.us

Rod Baybayan
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET
SACRAMENTO CA 95814-5512
(916) 653-2922
rbaybayan@energy.state.ca.us

Sandy Miller
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET MS NO.45
SACRAMENTO CA 95814
(916) 654-5166

dchong@energy.state.ca.us

Farakh Nasim
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-37
SACRAMENTO CA 95814
fnasim@energy.state.ca.us

Karen Griffin
Executive Office
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS 39
SACRAMENTO CA 95814
(916) 654-4833
karen.griffin@energy.ca.gov

Margaret Sheridan
CALIFORNIA ENERGY COMMISSION
DEMAND ANALYSIS OFFICE
1516 NINTH STREET, MS-22
SACRAMENTO CA 95814
(916) 651-9077
msherida@energy.state.ca.us

Payam Narvand
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-45
SACRAMENTO CA 95814
pnarvand@energy.state.ca.us

Rod Baybayan
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET
SACRAMENTO CA 95814-5512
(916) 653-2922
rbaybayan@energy.state.ca.us

Sandy Miller
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET MS NO.45
SACRAMENTO CA 95814
(916) 654-5166

Steven A. Brink
Vp - Public Resources
CALIFORNIA FORESTRY ASSOCIATION
1215 K STREET, SUITE 1830
SACRAMENTO CA 95814
(916) 444-6592
steveb@foresthealth.org

Phil Henry
President
CALIFORNIA GEOTHERMAL HEAT PUMP ASSOC
9343 TECH CENTER DR., STE. 135
SACRAMENTO CA 95826
(916) 668-6868
Phil@CaliforniaGeo.org

Jeffrey A. Serfass
Managing Director
CALIFORNIA HYDROGEN BUSINESS COUNCIL
3438 MERRIMAC ROAD
LOS ANGELES CA 90049
(310) 455-6095
jserfass@californiahydrogen.org

Anthony Ivancovich
Regulatory Counsel
******* SERVICE LIST *******
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 6ETAL;

smiller@energy.state.ca.us

CALIFORNIA ENERGY MARKETS
425 DIVISADERO ST STE 303
SAN FRANCISCO CA 94117-2242
(415) 552-1764
cem@newsdata.com

Chris Raphael
Editor
CALIFORNIA ENERGY MARKETS
425 DIVISADERO ST., STE. 303
SAN FRANCISCO CA 94117
(415) 963-4439
cem@newsdata.com

Hilary Corrigan
CALIFORNIA ENERGY MARKETS
425 DIVISADERO STREET, STE 303
SAN FRANCISCO CA 94131
(415) 963-4439
cem@newsdata.com

Karen Norene Mills
CALIFORNIA FARM BUREAU FEDERATION
2300 RIVER PLAZA DRIVE
SACRAMENTO CA 95833
(916) 561-5655
kmills@cfbf.com

Karl Meeusen
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7140
kmeeusen@caiso.com

Keith G. Johnson
Manager, Infrastructure Policy
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7100
kjohnson@caiso.com

John C. Anders
Sr. Counsel

CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
(916) 608-7135
aivancovich@caiso.com

Brad Cooper
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7156
bcooper@caiso.com

Gautham Katta
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
gkatta@caiso.com

John Goodin
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 802-6936
jgoodin@caiso.com

Karl Meeusen
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 608-7140
kmeeusen@caiso.com

Cynthia Hinman
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
(916) 608-7060
chinman@caiso.com

Heather Sanders
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
(916) 608-5850
hsanders@caiso.com

Judith Sanders
CALIFORNIA ISO
250 OUTCROPPING WAY
******* SERVICE LIST *********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

CALIFORNIA INDEPENDENT SYSTEMS OPERATOR
250 OUTCROPPING WAY
FOLSOM CA 95630
(916) 351-4400
janders@caiso.com

Carie Bentley
CALIFORNIA INDEPENDENT SYSTEMS OPERATORS
250 CROPPING WAY
FOLSOM CA 95630
(916) 608-7246
cbentley@caiso.com

Geof Syphers
CALIFORNIA INFILL BUILDERS ASSN. COUNCIL
2012 K STREET
SACRAMENTO CA 95811
ggeofs@coddings.com

CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
e-recipient@caiso.com

E-Recipient
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
e-recipient@caiso.com

Andrew Ulmer
Dir - Fed Regulatory Affairs
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM CA 95630-8773
(202) 239-3947
aulmer@caiso.com

FOLSOM CA 95630-8773
(916) 608-7143
jsanders@caiso.com

John Larrea
CALIFORNIA LEAGUE OF FOOD PROCESSORS
1755 CREEKSIDE OAKS DRIVE, STE 250
SACRAMENTO CA 95833
(916) 640-8150
john@clf.com

Rob Neenan
CALIFORNIA LEAGUE OF FOOD PROCESSORS
1755 CREEKSIDE OAKS DRIVE, SUITE 250
SACRAMENTO CA 95833
(916) 640-8150
rob@clf.com

Dorothy Rothrock
Vp - Government Relations
CALIFORNIA MANUFACTURERS & TECHNO. ASSN.
1115 11TH STREET
SACRAMENTO CA 95814
(916) 498-3319
drothrock@cmta.net

Douglas M. Grandy, P.E.
CALIFORNIA ONSITE GENERATION
1220 MACAULAY CIRCLE
CARMICHAEL CA 95608
(916) 871-2432
dgrandy@caonsitegen.com

Karen Lindh
CALIFORNIA ONSITE GENERATION
7909 WALERGA ROAD, NO. 112, PMB 119
ANTELOPE CA 95843
(916) 729-1562
karen@klindh.com

CALIFORNIA PACIFIC ELECTRIC COMPANY, LLC

Martin Homec
CALIFORNIAANS FOR RENEWABLE ENERGY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(530) 867-1850
martinhomic@gmail.com

Michael E. Boyd

- 33 -
President
CALIFORNIANS FOR RENEWABLE ENERGY, INC.
5439 SOQUEL DRIVE
SOQUEL CA 95073
(408) 891-9677
michaelboyd@sbcglobal.net

Richard R. Kriete
CALNETIXPS
324 MARINE AVENUE
MANHATTAN BEACH CA 90266
(310) 545-7205
rrkriete@earthlink.net

Clifford D. Evans, Jr.
Vp
CALPEAK POWER, LLC
7365 MISSION GORGE ROAD, STE. C
SAN DIEGO CA 92120
(619) 229-3770
CliffEvans@Cogentrix.com

Avis Kowalewski
Vp - Gov’T & Regulatory Affairs
CALPINE CORPORATION
4160 DUBLIN BLVD, SUITE 100
DUBLIN CA 94568
(925) 557-2284
kowalewskia@calpine.com

Jason Armenta
CALPINE CORPORATION
717 TEXAS AVENUE, STE. 1000
HOUSTON TX 77002
jarmenta@calpine.com
For: Appendix D

Mark J. Smith
CALPINE CORPORATION
4160 DUBLIN BLVD., SUITE 100
DUBLIN CA 94568
(925) 557-2231
smithmj@calpine.com
Matthew Barmack  
Director, Market & Regulatory Analyst  
CALPINE CORPORATION  
EMAIL ON LY  
EMAIL ONLY CA 00000  
(925) 557-2267  
matthew.barmack@calpine.com

Eric Osborn  
CALPINE POWER AMERICA-CA, LLC  
717 TEXAS AVENUE, STE 100  
HOUSTON TX 77002  
cpacc@calpine.com

Kevin Boudreaux  
CALPINE POWER AMERICA-CA, LLC (1362)  
EMAIL ONLY  
EMAIL ONLY CA 00000-0000  
kevin.boudreaux@calpine.com

Jamie Hall  
CALSTART  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(510) 307-8774  
jhall@calstart.org

John Quealy  
CANACCORD ADAMS  
99 HIGH STREET  
BOSTON MA 02110  
(617) 371-3837  
john.quealy@canaccordadams.com

Mark Sigal  
CANACCORD ADAMS  
99 HIGH STREET  
BOSTON MA 02110  
(617) 788-1591  
mark.sigal@canaccordadams.com

Chris Bursaw  
Sr. Advisor, Regulatory Affairs West  
CAPITAL POWER CORPORATION  
9255 TOWNE CENTRE DRIVE, STE. 900  
SAN DIEGO CA 92121  
(858) 450-3214  
cbursaw@CapitalPower.com

Justin Rathke  
CAPSTONE TURBINE CORPORATION

Andrew Gay  
CARLSON CAPITAL L.P.  
712 FIFTH AVE., 25 TH FLOOR  
NEW YORK NY 10019  
(212) 994-8324  
agay@carlsoncapital.com

Marc Johnson, Pe  
CASCADE SOLAR ENGINEERING  
PO BOX 7045  
BEND OR 97708  
(510) 812-1868  
marc.johnson.pe@gmail.com

Danielle Osborn-Mills  
Regulatory Affairs Coordinator  
CEERT  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(916) 340-2607  
danielle@ceert.org

David Miller  
CEERT  
1100 ELEVENTH ST., SUITE 311  
SACRAMENTO CA 95814  
(916) 442-7785  
david@ceert.org

John Shears  
CEERT  
1100 11TH STREET, SUITE 311  
SACRAMENTO CA 95814  
(916) 442-7785  
shears@ceert.org

Melissa Kasnitz  
Attorney  
CENTER FOR ACCESSIBLE TECHNOLOGY  
3075 ADELINE STREET, STE. 220  
BERKELEY CA 94703  
(510) 841-3224 X2019  
service@cforat.org

Kevin P. Bundy  
Sr. Attorney  
CENTER FOR BIOLOGICAL DIVERSITY  
351 CALIFORNIA ST., STE. 600  
SAN FRANCISCO CA 94104  
(415) 436-9682 X313  
k Bundy@BiologicalDiversity.org
21211 NORDHOFF STREET
CHATSWORTH CA 91311
(202) 446-7347
jrathke@capstoneturbine.com

Danielle Osborn Mills
Renewable Technologies (Ceert)
CENTER FOR ENERGY EFFICIENCY AND
1100 11TH STREET, STE. 1100
SACRAMENTO CA 95814
(916) 442-7785
danielle@ceert.org

Uzma Almakky
CENTER FOR RESEARCH IN VOCATIONAL ED
34515 HURST AVE
FREMONT CA 94555-3124
(510) 557-1562
uzma@crve.org

Benjamin Airth
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(858) 244-1194
benjamin.airth@energycenter.org

Charlie Buck
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 244-1177
charlie.buck@energycenter.org

Chris Stoughton
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
Chris.Stoughton@energycenter.org

Jack Clark
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
jack.clark@energycenter.org

Jordan Digiorgio

Lindsey Hawes
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 633-1392
Lindsey.Hawes@energycenter.org

Paul Hernandez
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
paul.hernandez@energycenter.org

Rebecca Feuerlicht
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
rebecca.feuerlicht@energycenter.org

Sachu Constantine
Director Of Policy
CENTER FOR SUSTAINABLE ENERGY
9325 SKY PARK COURT, SUITE 100
SAN DIEGO CA 92123
(858) 244-1177
sachu.constantine@energycenter.org

Sarah Smith
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 244-1177
sarah.smith@energycenter.org

Sephra A. Ninow, J.D.
Regulatory Affairs Mgr.
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 244-1177
sephra.ninow@energycenter.org
Siobhan Foley
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(858) 244-7292
siobhan.foley@energycenter.org

Katrina Morton
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(858) 244-1193
katrina.morton@energycenter.org

Skip Fralick
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
skip.fralick@energycenter.org

Terry Clapham
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(858) 244-4872
terry.clapham@energycenter.org

Timothy Treadwell
CENTER FOR SUSTAINABLE ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
timothy.treadwell@energycenter.org

Wayne Bishop
President
CH4 ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(661) 589-2857
Wayne.Bishop@CH4Energy.co

Colleen Quinn
Vp - Gov’T. Relations And Public Policy
CHARGEPOINT, INC
1692 DELL AVENUE
CAMPBELL CA 95008
(917) 523-1813
colleen.quinn@chargepoint.com

Sheerie Green
CHARTER COMMUNICATIONS
12405 POWERSCOURT DRIVE
ST. LOUIS MO 63131
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

(314) 288-3327
sheerie.green@charter.com

Caroline Chen
EMAIL ONLY
EMAIL ONLY CA 00000
ccchen@san.rr.com

Cathy Zhang
Executive Director
CHINESE AM. INSTITUTE FOR EMPOWERMENT
15 SOUTHGATE AVE., STE. 200
DALY CITY CA 94015
(650) 952-0522
cathy.zhang@soundofhope.org

Andrew Tanner
CHROMASUN INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 644-9177
andrew@chromasun.com

(415) 554-6761
austin.yang@sfgov.org

Cal Broomhead
Dept Of Environment, Energy Section
CITY AND COUNTY OF SAN FRANCISCO
1145 MARKET STREET, SUITE 1200
SAN FRANCISCO CA 94103
(415) 355-3706
cal.broomhead@sfgov.org

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
(415) 554-4619
jeanne.sole@sfgov.org

Theresa Mueller
Deputy City Attorney
CITY AND COUNTY OF SAN FRANCISCO
CITY HALL, ROOM 234
SAN FRANCISCO CA 94102
(415) 554-4640
theresa.mueller@sfgov.org

William K. Sanders
THERESA L. MUELLER, 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
(415) 554-6771
william.sanders@sfgov.org

Linda Forsberg
CITY OF MOUNTAIN VIEW
231 NORTH WHISMAN ROAD
MOUNTAIN VIEW CA 94043
(650) 903-6329
linda.forsberg@mountainview.gov

Scott Wentworth
Energy Engr.-Facilities & Environment
CITY OF OAKLAND
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 238-3984
swentworth@OaklandNet.com

Grant Kolling
Senior Assistant City Attorney
CITY OF PALO ALTO
PO BOX 10250
PALO ALTO CA 94303
(650) 329-2171
grant.kolling@cityofpaloalto.org

James Stack
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200 6ETAL;

Steven Sciortino
CITY OF ANAHEIM
200 SOUTH ANAHEIM BOULEVARD
ANAHEIM CA 92805
(714) 765-5177
ssciortino@anaheim.net

Lana Haddad
CITY OF GLENDALE WATER & POWER
EMAIL ONLY
EMAIL ONLY CA 00000
LHaddad@ci.glendale.ca.us

Valerie Puffer
CITY OF GLENDALE WATER & POWER
EMAIL ONLY
EMAIL ONLY CA 00000
vpuffer@ci.glendale.ca.us

Janette Olko
Electric Utility Division Manager
CITY OF MORENO VALLEY
14325 FREDERICK ST., STE. 9
MORENO VALLEY CA 92552
(951) 413-3502
jeannetteo@moval.org

Sr. Resource Planner - Urm Division
Sr. Resource Planner - Urm Division
CITY OF PALO ALTO
EMAIL ONLY
EMAIL ONLY CA 00000
James Stack
(650) 329-2314
james.stack@cityofpaloalto.org

Ren Zhang
CITY OF PASADENA WATER AND POWER
150 S. LOS ROBLES AVENUE, SUITE 200
PASADENA CA 91101
(626) 744-7904
rzhang@cityofpasadena.net

Frederick M. Ortlieb
Deputy City Attorney
CITY OF SAN DIEGO
1200 THIRD AVENUE, SUITE 1100
SAN DIEGO CA 92101
(619) 236-6318
fortlieb@sandiego.gov

Linda Giannelli Pratt
Interim Deputy Director
CITY OF SAN DIEGO
9601 RIDGEHAVEN COURT, SUITE 120
SAN DIEGO CA 92123-1636
(858) 492-5088

Michael Foster
CITY OF SAN JOSE
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 975-2601
michael.foster@sanjoseca.gov

Rebecca Jaffe
CITY OF SAN JOSE-ENVIRONMENTAL SVCS DEPT
200 EAST SANTA CLARA
SAN JOSE CA 95113
(408) 975-2580
rebecca.jaffe@sanjoseca.gov

Leah Lavalle Rowell

Curt Barry
Senior Writer
CLEAN ENERGY REPORT
717 K STREET, SUITE 503
SACRAMENTO CA 95814
(916) 449-6171
cbarry@iwpnews.com

James Birkelund
CLEAN TECH. LAW
548 MARKET STREET, SUITE 11200
SAN FRANCISCO CA 94104
(415) 602-6223
jbirkelund@cleantechlaw.com

- 39 -
CLARK STREET ASSOCIATES
228 HAMILTON AVENUE
PALO ALTO CA 94301
(650) 576-2181
Irowell@clark-streetassociates.com

Kenneth Sahm White
Economics & Policy Analysis Director
CLEAN COALITION
13 PALM CT.
MENLO PARK CA 94025
(650) 425-5866
sahm@clean-coalition.org

Stephanie Wang
Director
CLEAN COALITION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 742-4141
Steph@Clean-Coalition.org

Whitney Richardson
CLEAN COALITION
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 334-5890
whitney@clean-coalition.org

Alice Stover
CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
astover@mceCleanEnergy.org

Michael Brown
CLEANTECH LAW PARTNERS, PC
2932 WEST ORIOLE AVE.
VISALIA CA 93291
(650) 576-2181
MBrown@CleantechLawPartners.com

Lisa Bicker
CLEANTECH SAN DIEGO
9191 TOWNE CENTRE DRIVE. STE. 410
SAN DIEGO CA 92122-1227
(858) 568-8010
lisab@cleantechsandiego.org

Katrina M. Fritz
V.P.- External Affairs & Corp. Strategy
CLEAREDGE POWER
195 GOVERNORS HIGHWAY
SOUTH WINDSOR CT 06074
(860) 727-2127

Leigh Estus
CLEARPOWER SYSTEMS, INC.
948 ETTIN AVENUE
SIMI VALLEY CA 93065
(805) 428-6242
leghestus@sbcglobal.net

Autumn Bernstein
Director
CLIMATE PLAN
717 K STREET, SUITE 330
SACRAMENTO CA 95814
(510) 740-3150 X-301

Jeff Deason
Senior Analyst
CLIMATE POLICY INITIATIVE
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 230-0796

John Collins
Vp - Development
COGENTRIX ENERGY POWER MANAGEMENT
9405 ARROWPOINT BLVD.
CHARLOTTE NC 28273
(704) 672-2718
Jeff.deason@cpisf.org

Eric Eisenhammer
COALITION OF ENERGY USERS
4010 FOOTHILLS BLVD., STE 103 NO. 115
ROSEVILLE CA 95747
(916) 833-9276
Eric@CoalitionofEnergyUsers.org

Jeffrey Sinsheimer
COBLENTZ, PATCH, DUFFY & BASS, LLP
ONE FERRY BUILDING, STE. 200
SAN FRANCISCO CA 94111
(415) 391-4800
jas@cpdb.com

Francois Carlier
CODA STRATEGIES
EMAIL ONLY
EMAIL ONLY CA 00000
carlierfrancois@yahoo.fr

Andrea Gains-Germain
Director - Product Management
COGENERATION SOLUTIONS
654 E. MIDDLEFIELD ROAD
MOUNTAIN VIEW CA 94043
(650) 230-3410
andrea.gains-germain@cogenra.com

Mani Thothadri
COGENRA SOLAR
365 E. MIDDLEFIELD RD.
MOUNTAIN VIEW CA 94040
(650) 230-3418
mani.thothadri@cogenra.com

Ratson Morad
COGENRA SOLAR, INC.
365 E. MIDDLEFIELD RD.
MOUNTAIN VIEW CA 94043
(650) 230-3404
ratson.morad@cogenra.com

JohnCollins@Cogentrix.com

John Gutierrez
COMCAST
3055 COMCAST PLACE
LIVERMORE CA 94551
(925) 973-7214
john_gutierrez@cable.comcast.com

Inger Goodman
COMMERCE ENERGY, INC.
1 CENTERPOINTE DR., STE. 350
LA PALMA CA 90623-2520
(714) 259-2508
igoodman@commerceenergy.com
For: Appendix D

Patrick Vanbeek
Dir - Customer Support
COMMERCIAL ENERGY OF CALIFORNIA
7677 OAKPORT STREET, STE. 525
OAKLAND CA 94621
patrick.vanbeek@commercialenergy.net

Mike McGuffin
COMMERCIAL ENERGY OF MONTANA
101 PARKSHORE DRIVE
FOLSOM CA 95630
mmcguffin@ces-ltd.com
For: Appendix D

Shana Lazerow
Attorney
COMMUNITIES FOR A BETTER ENVIRONMENT
1904 FRANKLIN ST., STE. 600
OAKLAND CA 94612
(510) 302-0430 X18
slazerow@cbecal.org

Clyde Murley
COMMUNITY COLLEGE LEAGUE OF CALIFORNIA
1031 ORDWAY STREET
ALBANY CA 94706
(510) 528-8953
cmurley@ccleague.org
Michael Chiacos
Energy And Transportation Manager
COMMUNTI ENVIRONMENTAL COUNCIL
26 W. ANAPAMU ST., 2ND FLR.
SANTA BARBARA CA 93101
(805) 963-0583X-110
mchiacos@cecmail.org

Richard J. Hudson, Jr.
Dir. - Regulatory & Legislative Affairs
CONEDISON SOLUTIONS, INC.
100 SUMMIT LAKE DR., STE. 410
VALHALLA NY 10595
(412) 368-5988
hudsonr@conedsolutions.com

William Mitchell
COMPETITIVE POWER VENTURES, INC.
505 SANSOME STREET, STE. 475
SAN FRANCISCO CA 94111
(415) 293-1469
will.mitchell@cpv.com

Ying-Nien Yu, P.E.
CONSERVATION TECHNOLOGY
1018 OXFORD AVENUE
MARINA DEL REY CA 90292
(310) 578-1280
ynyu888@gmail.com

David X. Kolk
COMPLETE ENERGY SERVICES INC
41422 MAGNOLIA STREET
MURRIETA CA 92562
(512) 283-1097
dkolk@compenergy.com

Paul Ackerman
Senior Counsel
CONSTELLATION ENERGY RESOURCES, INC.
111 MARKET PLACE
BALTIMORE MD 21202
paul.ackerman@constellation.com

Ted Ko
COMPLETE SOCIETY CONSULTING
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 381-6159
ted@ted-ko.com

Matthew Deal
CONSTELLATION NEW ENERGY, INC.
EMAIL ONLY
EMAIL ONLY MD 00000
(410) 470-3266
matthew.deal@exeloncrop.com

Carlos Lamas-Babbini
Program Mgr. L&I Ca
COMVERGE
39899 BALENTINE DR., STE. 200
NEWARK CA 9560
(510) 270-5963
CllamasBabbini@Comverge.com

Mary Lynch
CONSTELLATION NEWENERGY, INC
5074 NAWAL DRIVE
EL DORADO HILLS CA 95762
(916) 447-2166
mary.lynch@constellation.com

Colin Meehan
Director, Regulatory & Market Strategy
COMVERGE, INC
96 CHICON ST.
AUSTIN TX 78702
(512) 537-2169
cmeehan@comverge.com

Edward Mackay
CONSTELLATION NEWENERGY, INC.
100 CONSTITUTION WAY
BALTIMORE MD 21202
edward.j.mackay@constellation.com
For: Appendix D

Frank (Tex) Wilkins
Ese. Dir.
CONCENTRATING SOLAR POWER ALLIANCE
520 SW YAMHILL STREET, STE. 600

Larry B. Barrett
CONSULTING ASSOCIATES, INC.
PO BOX 60429
COLORADO SPRINGS CO 80960
(719) 634-4468

- 42 -
Barbara R. Alexander  
CONSUMER AFFAIRS CONSULTANT  
83 WEDGEWOOD DRIVE  
WINTHROP ME 04364  
(207) 395-4143  
barbalex@ctel.net

Michael Petricone  
Svp - Gov’T Affairs  
CONSUMER ELECTRONICS ASSOCIATION  
1919 SOUTH EADS STREET  
ARLINGTON VA 22202  
(703) 907-7544  
MPetricone@ce.org

Donald P. Hilla  
CONSUMER FEDERATION OF CALIFORNIA  
EMAIL ONLY  
EMAIL ONLY CA 00000  
dhilla@consumercal.org

Nicole Johnson  
Regulatory Attorney  
CONSUMER FEDERATION OF CALIFORNIA  
433 NATOMA ST., STE. 210  
SAN FRANCISCO CA 94103  
(415) 597-5707  
njohnson@consumercal.org

Nicholas J. Planson  
CONSUMER POWERLINE  
EMAIL ONLY

Howard Choy  
Dir.- Office Of Sustainability  
COUNTY OF LOS ANGELES  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(323) 881-3939  
hchoy@isd.lacounty.gov

Trevor Keith  
COUNTY OF SAN LUIS OBISPO  
976 OSOS STREET  
SAN LUIS OBISPO CA 93408  
(805) 781-1431  
tkeith@co.slo.ca.us

Angela Hacker  
COUNTY OF SANTA BARBARA  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(205) 568-3515  
ahacker@co.santa-barbara.ca.us

Natalie De Leon  
COUNTY OF SANTA CLARA  
70 W. HEDDING  
SAN JOSE CA 95110  
(409) 299-5101  
natalie.deleon@ceo.sccgov.org

Doug Garrett  
COX CALIFORNIA TELCOM LLC  
3732 MT DIABLO BLVD., STE. 358  
LAFAYETTE CA 94549  
(925) 310-4494  
Douglas.Garrett@cox.com

Esther Northrup  
COX CALIFORNIA TELCOM, LLC  
5651 COPLEY DRIVE  
SAN DIEGO CA 92111

- 43 -
********** SERVICE LIST **********  
Last Updated on 19-AUG-2014 by: JVG  
R1408013 NOPST  
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS (APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;
CTIA - THE WIRELESS ASSOCIATION
1400 16TH STREET, NW, SUITE 600
WASHINGTON DC 20036
(202) 736-3246
jmccarthy@ctia.org

Jacqueline M. Derosa
Director Of Regulatory Affairs - Ca
CUSTOMIZED ENERGY SOLUTIONS
101 PARKSHIRE DRIVE SUITE 100
FOLSOM CA 95630
(916) 932-7226
jderosa@ces-ltd.com

Pramod Kulkarni
CUSTOMIZED ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
pramod@ces-ltd.com

DAVID MARK & COMPANY
3510 UNOCAL PLACE, SUITE 200
SANTA ROSA CA 95403
(707) 570-1866
dmco@sonic.net

Mark Berman
DAVIS ENERGY GROUP
123 C STREET
DAVIS CA 95616
(530) 753-1100 X-14

Vidhya Prabhakaran
Attorney
DAVIS WRIGHT & TREMAINE, LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6500
VidhyaPrabhakaran@dwt.com

Melissa Slawson
DAVIS WRIGHT TREMAINE
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6587
MelissaSlawson@dwt.com

DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6500
dwtcpudockets@dwt.com

Judy Pau
DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(415) 276-6587
judypau@dwt.com

Robert Gex
DAVIS WRIGHT TREMAINE LLP

Melissa Slawson
DAVIS WRIGHT TREMAINE
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6587
MelissaSlawson@dwt.com

DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6500
dwtcpudockets@dwt.com

Judy Pau
DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(415) 276-6587
judypau@dwt.com

Robert Gex
DAVIS WRIGHT TREMAINE LLP

- 45 -
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO CA 94111
(415) 276-6500
robertgex@dwt.com

Jane Whang
DAVIS WRIGHT TREMAINE, LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 276-6500
janewhang@dwt.com

Jeffrey P. Gray
DAVIS WRIGHT TREMAINE, LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO CA 94111-6533
(415) 276-6500
jeffgray@dwt.com

Olivia Para
DAVIS WRIGHT TREMAINE, LLP
505 MONTGOMERY STREET, STE. 800
SAN FRANCISCO CA 94111
(415) 276-6500
oliviapara@dwt.com

Suzanne K. Toller
DAVIS WRIGHT TREMAINE, LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO CA 94111-6533
(415) 276-6536
suzannetoller@dwt.com

Jim Hawley
DEWEY SQUARE GROUP, LLC
1020 16TH STREET, SECOND FLOOR
SACRAMENTO CA 95814
(916) 447-4099
jhawley@deweysquare.com

Baldassaro Bill Di Capo
DI CAPO LEGAL ADVISORS
777 CAMPUS COMMONS RD., STE. 200
SACRAMENTO CA 95825
(916) 563-7180
info@dicapolegal.com

Jennifer Gray
DIRECT ENERGY BUSINESS, LLC
12 GREENWAY PLAZA, SUITE 250
HOUSTON TX 77046
Jennifer.Gray@directenergy.com
For: Appendix D

Andrea Morrison
DIRECT ENERGY SERVICES, LLC
415 DIXSON STREET
ARROYO GRANDE CA 93420
(916) 759-7052
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ET AL:

Bo Buchiynsky
Senior Vice President
DIAMOND GENERATING CORPORATION
333 SOUTH GRAND AVE., STE. 1570
LOS ANGELES CA 90071
(213) 473-0092
b.buchynsky@dgc-us.com

David Hicks
DIAMOND GENERATING CORPORATION
333 SOUTH GRAND AVE., STE. 1570
LOS ANGELES CA 90071
(213) 346-2134
d.hicks@dgc-us.com

Cara Goldenberg
DIAN GRUENEICH CONSULTING, LLC
201 MISSION STREET, SUITE 1200
SAN FRANCISCO CA 94105
(760) 803-6433
cara.goldenberg@grueneich.com

Amanda Bergfield
DIRECT ENERGY
12 GREENWAY PLAZA, STE. 250
HOUSTON TX 77046
(713) 877-3663
amanda.bergfield@directenergy.com

Jay Robertson
DIRECT ENERGY
12 GREENWAY PLAZA, STE. 250
HOUSTON TX 77046
(713) 877-5712
jay.robertson@directenergy.com

andrea.morrison@directenergy.com

Aram Shumavon
DISTRIBUTED ENERGY CONSUMER ADVOCATE
516 WHITWOOD DR.
SAN RAFAEL CA 94903-2455
(415) 377-2581
a.shumavon@d-e-c-a.org

Brad Bordine
DISTRIBUTED ENERGY CONSUMER ADVOCATES
516 WHITWOOD DRIVE
SAN RAFAEL CA 94903
(213) 784-2507
b.bordine@d-e-c-a.org

Nat Treadway
DISTRIBUTED ENERGY FINANCIAL GROUP
EMAIL ONLY
EMAIL ONLY TX 00000
(713) 729-6244
ntreadway@delfgllc.com

Mike Bergey
President
DISTRIBUTED WIND ENERGY ASSOCIATION
2200 INDUSTRIAL BLVD.
NORMAN OK 73069
(405) 364-4212
mbergey@bergey.com

Jim Halpert, Esq
CALLIE CARR, ESQ.
DLA PIPER LLP (US)
EMAIL ONLY
EMAIL ONLY DC 00000
(202) 799-4441
jim.halpert@dlapiper.com

Fred Coito
DNV GL
155 GRAND AVENUE, SUITE 500
OAKLAND CA 94612

Cassandra Sweet
DOW JONES NEWSWIRES
EMAIL ONLY
EMAIL ONLY CA 00000
****** SERVICE LIST ******
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006 ETAL;

(510) 891-0446
fred.coito@dnvgl.com

James Hansell
DNV GL GROUP
1505 JACKSON STREET
OAKLAND CA 94612
(972) 742-6764
james.c.hansell@gmail.com

Bob Dodds
933 ELOISE AVENUE
SOUTH LAKE TAHOE CA 96150
(530) 541-5780
Bob.Dodds@liberty-energy.com

Daniel W. Douglass
Attorney
DOUGLASS & LIDDELL
21700 OXNARD ST., STE. 1030
WOODLAND HILLS CA 91367
(818) 961-3001
douglass@energyattorney.com

Donald C. Liddell
DOUGLASS & LIDDELL
EMAIL ONLY
EMAIL ONLY CA 00000
(619) 993-9096
liddell@energyattorney.com

Gregory S.G. Klatt
Attorney
DOUGLASS & LIDDELL
21700 OXNARD ST., STE. 1030
WOODLAND HILLS CA 91367-8102
(818) 961-3002
klatt@energyattorney.com

(415) 439-6468
cassandra.sweet@dowjones.com

Michael H. Pryor
Attorney
DOW LOHNES PLLC
1200 NEW HAMPSHIRE AVE., NW, STE. 800
WASHINGTON DC 20036-6802
(202) 776-2000
mpryor@dowlohnes.com

Dan L. Carroll
Attorney At Law
DOWNEY BRAND, LLP
621 CAPITOL MALL, 18TH FLOOR
SACRAMENTO CA 95814
(916) 444-1000
dcarroll@downeybrand.com

Paul M. Pietsch
Research Coordinator
DRSG COALITION
1301 CONNECTICUT AVE., NW, STE. 350
WASHINGTON DC 20036
(202) 296-3636
paul.pietsch@drsgcoalition.org

Michelle Grant
DYNEGY, INC.
EMAIL ONLY
EMAIL ONLY TX 00000-0000
(713) 767-0387
michelle.d.grant@dynegy.com

Rick Boland
E-RADIO USA, INC.
1150 CASTLE OAKS DR.
NAPA CA 94558-1576
(650) 949-1032
rboland@e-radioinc.com

J. Douglas Divine
Chief Executive Officer
EAGLE CREST ENERGY COMPANY
3000 OCEAN PARK BLVD., STE. 1020
SANTA MONICA CA 90405
(310) 450-9090
ddivine@eaglecrestenergy.com
*************** SERVICE LIST ***************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPENDIX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Andy Blauvelt
EAH HOUSING
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 295-8841
ablauvelt@gmail.com

Adenike Adeeye
EARTHJUSTICE
50 CALIFORNIA ST., STE. 500
SAN FRANCISCO CA 94111
(415) 217-2000
aadeyeeye@earthjustice.org

Jill Tauber
Chair, Clean Energy Practice
EARTHJUSTICE
1625 MASSACHUSETTS AVE., NW, STE. 702
WASHINGTON DC 20036
jtauber@earthjustice.org

Rosiceli Villarreal
EARTHJUSTICE
50 CALIFORNIA STREET, SUITE 500
SAN FRANCISCO CA 94111
(415) 217-2000
rvillarreal@earthjustice.org

Suma Peesapati
EARTHJUSTICE
50 CALIFORNIA ST., STE. 500
SAN FRANCISCO CA 94111
(415) 217-2000
speesapati@earthjustice.org

Susan Stevens-Miller
EARTHJUSTICE
1625 MASSACHUSETTS AVE., NW, STE. 702
WASHINGTON DC 20036
(202) 797-5246
smiller@earthjustice.org

Tamara Zakim
EARTHJUSTICE
50 CALIFORNIA ST., STE. 500
SAN FRANCISCO CA 94111
(415) 217-2000

Everitt Long
Director Of Intellectual Property
ECOBEE, INC.
477 RICHMOND ST. WEST
TORONTO ON M5V 3E7
CANADA
(403) 670-6779
everitt@ecobee.com

Gene Thomas
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY CA 00000
(831) 515-4349
gthomas@ecoact.org

Gregg Fishman
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY CA 00000
(831) 515-1349
gfishman@ecoact.org

Mahlon Aldridge
Vp - Strategic Development
ECOLOGY ACTION
877 CEDAR STREET, STE. 240
SANTA CRUZ CA 95060-3938
(831) 515-1316
maldridge@ecoact.org

Margaret Bruce
ECOLOGY ACTION
EMAIL ONLY
EMAIL ONLY CA 00000
(831) 515-1349
mbruce@ecoact.org

John Gorman
ECOPLEXUS, INC
1733 20TH STREET
SAN FRANCISCO CA 94107
(415) 641-5607
Johng@ecoplexus.com

Alana Chavez
ECOTALITY, INC
**************** SERVICE LIST ****************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200 6ETAL:

Felicia Williams
Senior Manager, Investor Relations
EDISON INTERNATIONAL
2244 WALNUT FROVE, GO1 ROOM 445
ROSEMEAD CA 91770
(626) 302-5493
felicia.williams@edisonintl.com

Ellen Petrill
Director, Public/Private Partnerships
ELECTRIC POWER RESEARCH INSTITUTE
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(650) 855-8939
epetrill@epri.com

Spencer Edmiston
Corporate Financial Planning
EDISON INTERNATIONAL
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770
(626) 302-2001
spencer.edmiston@edisonintl.com

Sarah Inwood, M.S.
Project Engineer
ELECTRIC POWER RESEARCH INSTITUTE
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 855-2320
sinwood@epri.com

Jennifer Lynch
JENNIFER URBAN
ELECTRONIC FRONTIER FOUNDATION
815 EDDY STREET
SAN FRANCISCO CA 94109
(415) 436-9333 X-136
jlynch@eff.org

Lee Tien
Counsel
ELECTRONIC FRONTIER FOUNDATION
815 EDDY STREET
SAN FRANCISCO CA 94109
(415) 436-9333 X-102
tien@eff.org

Stephanie Shattuck
ELECTRONIC FRONTIER FOUNDATION
815 EDDY STREET
SAN FRANCISCO CA 94109
(415) 436-9333 X-105
steph@eff.org

Lillie Coney
Associate Director
ELECTRONIC PRIVACY INFORMATION CENTER
1718 CONNECTICUT AVE., NW SUITE 200
WASHINGTON DC 20009
(202) 483-1140 X111

Jeffrey D. Harris
Attorney At Law
ELLISON & SCHNEIDER
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
jdh@eslawfirm.com

Deric Wittenborn
ELLISON SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
djw@eslawfirm.com

Eric L. Janssen
Legal Assistant
ELLISON SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVE., STE. 400
SACRAMENTO CA 95816
(916) 447-2166
ericj@eslawfirm.com

Gregory L. Wheatland
Attorney
ELLISON SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
glw@eslawfirm.com

- 51 -
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APDPX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006;

coney@epic.org
Paul Beck
ELITE ENERGY SYSTEMS
20 INDUSTRIAL PARKWAY
CARSON CITY NV 89706
(775) 246-8111
pbeck@eliteenergysys.com

Jack Ellis
1425 ALPINE WAY / PO BOX 6600
TAHOE CITY CA 96145
(530) 581-2134
jack@casaraquel.com

Andrew B. Brown
Attorney At Law
ELLISON SCHNEIDER & HARRIS LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
abb@eslawfirm.com

Jedediah J. Gibson
Attorney At Law
ELLISON SCHNEIDER & HARRIS LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
jjg@eslawfirm.com

Ronald Liebert
Attorney At Law
ELLISON SCHNEIDER & HARRIS LLP
2600 CAPITOL AVENUE, STE. 400
SACRAMENTO CA 95816
(916) 447-2166
rl@eslawfirm.com

Brian S. Biering
ELLISON SCHNEIDER & HARRIS, LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
bsb@eslawfirm.com

Chase Kappel
ELLISON SCHNEIDER & HARRIS, LLP
2600 CAPITOL AVE., SUITE 400
SACRAMENTO CA 95816
(916) 447-2166
cbk@eslawfirm.com

Lori Smith Schell
EMPOWERED ENERGY
174 N. ELK RUN
DURANGO CO 81303
(970) 247-8181
LSchell@EmpoweredEnergy.com

Andy Gassner
Senior Analyst
ENBALA POWER NETWORKS
930 WEST 1ST ST., NO. 211
NORTH VANCOUVER BC V7P 3N4
CANADA
(604) 998-8923
agassner@enbala.com

Sue Mcmeekin
Business Development
ENDURANCE WIND POWER
425 1ST STREET, UNIT 2302

- 52 -
************* SERVICE LIST *************

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200G
6ETAL:

cte@eslawfirm.com

Douglas K. Kerner
Attorney At Law
ELLISON, SCHNEIDER & HARRIS, LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816-5905
(916) 447-2166
dkk@eslawfirm.com

Samantha G. Pottenger
ELLISON, SCHNEIDER AND HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO CA 95816
(916) 447-2166
sgp@eslawfirm.com

Skip Ashton
Svp - Engineering
EMBER CORPORATION
25 THOMPSON PLACE
BOSTON MA 02210
(617) 951-1201
skip.ashton@ember.com

Suzanne H. Emerson
EMERSON ENVIRONMENTAL, LLC
160 PLYMOUTH AVENUE
SAN CARLOS CA 94070-1621
(650) 281-9805
susanne@emersonenvironmental.com

SAN FRANCISCO CA 94105
(415) 378-1326
smcmeekin@endurancewindpower.com

Steve Deffley
ENECSYS LLC
275 SHORELINE DR., STE. 200
REDWOOD SHORES CA 94065
(650) 730-5769
Steve.Deffley@enecsys.com

Mike King
ENERGY & ENVIRONMENTAL ECONOMICS, INC
101 MONTGOMERY STREET, SUITE 1600
SAN FRANCISCO CA 94104
mike@ethree.com

Eric Cutter
ENERGY AND ENVIRONMENTAL ECONOMIC
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 391-5100
eric@ethree.com

Snuller Price
ENERGY AND ENVIRONMENTAL ECONOMICS
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 391-5100
snuller@ethree.com

Malcolm D. Ainspan
ENERGY CURTAILMENT SPECIALISTS
EMAIL ONLY
EMAIL ONLY NY 00000
(716) 565-1327 X378
mainspan@ecsgrid.com

Glen E. Smith
President And Ceo
ENERGY CURTAILMENT SPECIALISTS, INC.
4455 GENESSEE ST., STE.101

Kevin Simonsen
ENERGY MANAGEMENT SERVICES
20 KRISTIN CT.
SANTA ROSA BEACH FL 32459
(970) 259-1748
KJSimonsen@ems-ca.com

Jennifer Holmes
ENERGY MARKET INNOVATIONS (EMI)
83 COLUMBIA ST., STE/ 400
SEATTLE WA 98104
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006ETAL;

BUFFALO NY 14225-1955
(716) 565-0459
jimk@ecsgrid.com

Cynthia K. Mitchell
ENERGY ECONOMICS INC.
530 COLGATE COURT
RENO NV 89503
(775) 324-5300
cynthiakmitchell@gmail.com

Lisa Rosen
Secretary
ENERGY EFFICIENCY SOLAR
EMAIL ONLY
EMAIL ONLY CA 00000
(714) 496-0725
lrosen@eesolar.com

Elizabeth Bailey, Ph.D
Adjunct Prof.- Haas School Of Business
ENERGY INSTITUTE AT HAAS
UNIVERSITY OF CALIFORNIA, BERKELEY
2547 CHANNING WAY, MC 5180
BERKELEY CA 94720-5180
(510) 642-7316
ebailey@haas.berkeley.edu

Keith Derman
Partner
ENERGY INVESTORS FUNDS
ONE PENN PLAZA, STE. 4200
NEW YORK NY 10119
(212) 564-3265
kderman@eif.com

Carolyn M. Kehrein
ENERGY MANAGEMENT SERVICES
2602 CELEBRATION WAY
WOODLAND CA 95776
(530) 668-5600
cmkehrein@ems-ca.com

(206) 621-1160
emibd@emiconsulting.com

Jennifer Holmes
ENERGY MARKET INNOVATIONS INC.
83 COLUMBIA STREET, SUITE 400
SEATTLE WA 98104-1416
(206) 621-1160
jholmes@emi1.com

Aimee Beasley
ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 482-4420 X-240
abeasley@energy-solution.com

Chad Worth
ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
cworth@energy-solution.com

Ed Pike
ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 482-4420
epike@energy-solution.com

Jana Kopyciok
ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 482-4420 X266
jkopyciok@energy-solution.com

Ted Pope
President
ENERGY SOLUTIONS
1610 HARRISON STREET
OAKLAND CA 94612
(510) 482-4420 236
ted@energy-solution.com

Timothy O'Keefe
ENERGY SOLUTIONS

David Wolpa
Dir - Client Solutions

- 54 -
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 482-4420
tokeefe@energy-solution.com

Katherine Hamilton
Policy Director
ENERGY STORAGE ASSOCIATION
1155 15TH STREET, NW, SUITE 500
WASHINGTON DC 20005
(202) 524-8832
k.hamilton@energystorage.org

Caitlin Collins Liotiris
ENERGY STRATEGIES, LLC
215 SOUTH STATE STREET, STE 200
SALT LAKE CITY UT 84111
(801) 355-4365
ccollins@energystrat.com

Gibson Peters, P.E.
ENERGY STRATEGIES, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(801) 355-4365
gpeters@energystrat.com

Stuart Chang
ENERGY SYSTEMS DEVELOPMENT, LLC
5420 DOUGLAS BLVD., STE F
GRANITE BAY CA 95746
(916) 772-4936
Stu@ESDevelop.com

Marina Teper
ENERGYHUB, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(718) 522-7051 X20
marina@energyhub.net

Seth Frader-Thompson
President
ENERGYHUB, INC.
232 3RD STREET, STE. C-201
BROOKLYN NY 11215
(718) 522-7051 X12
frader@energyhub.net

ENERGYSAVVY
672 CHURCH STREET
SAN FRANCISCO CA 94114
(415) 237-1583
david@energysavvy.com

Dan Perkins
Vp-National Preserevation Partners
ENERGYSMARTHOMES.NET
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(760) 639-0945
dan@energy-smarthomes.net

George Odero
ENERGYWISE ENG’RING & TECH. CONSULTING
3298 GOVERNOR DRIVE, STE. 22496
SAN DIEGO CA 92192
(858) 412-3157
godero@goreadusa.org

Jerry Melcher
ENERNEX
4623 TORREY CIRCLE, APT Q303
SAN DIEGO CA 92130
(858) 437-2242
jerry@enernex.com

Greg Wikler
ENERNOC, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
gwikler@ernnoc.com

Melanie Gillette
Dir - Western Reg. Affairs
ENERNOC, INC.
115 HAZELMERE DRIVE
FOLSOM CA 95630
(916) 501-9573
mgillette@ernnoc.com

Mona Tierney-Lloyd
Sr. Dir., Western Regulatory Affairs
ENERNOC, INC.
PO BOX 378
CAYUCOS CA 93430
(805) 995-1618
mtierney-lloyd@ernnoc.com
Richard H. Counihan  
Sr. Director Corporate Development  
ENERNOC, INC.  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 343-9504  
r counihan@enernoc.com  

Craig R. Horne, Ph.D  
Chief Strategy Officer And Co-Founder  
ENERVAULT CORPORATION  
1244 REAMWOOD AVENUE  
SUNNYVALE CA 94089  
(408) 636-7519  
CHorne@EnerVault.com  

Sami Mardini  
Dir - Product Marketing  
ENERVAULT CORPORATION  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(626) 318-2646  
smardini@enervault.com  

John Berdner  
Dir - Worldwide Standards  
ENPHASE ENERGY  
1420 N. MCDOWELL BLVD.  
PETALUMA CA 94954  
(530) 277-4894  
JBer dner@EnphaseEnergy.com  

Raghu Belur  
Vp - Prod. & Strategic Initiatives  
ENPHASE ENERGY, INC.  
1420 NORTH MCDOWELL BLVD.  
PETALUMA CA 94954  
(707) 763-4784  
RBelur@EnphaseEnergy.com  

Taylor Browning  
Assoc. Gen. Counsel  
ENPHASE ENERGY, INC.  
1420 NORTH MCDOWELL BLVD.  
PETALUMA CA 94954  

Jennifer Weberski  
ENVIRONMENTAL DEFENSE FUND  
49 TERRA BELLA DRIVE  
WALNUT CREEK CA 95814  
(703) 489-2924  
jleesq@yahoo.com  

Larissa Koehler  
Attorney  
ENVIRONMENTAL DEFENSE FUND  
123 MISSION STREET, 28TH FLOOR  
SAN FRANCISCO CA 94105  
(415) 293-6093  
lkoehler@edf.org  

Lauren Navarro-Treichler  
Atty./Sr. Mgr.-Smart Power Initiative  
ENVIRONMENTAL DEFENSE FUND  
1107 9TH STREET, STE. 1070  
SACRAMENTO CA 95814  
(916) 492-7074  
lnavarro@edf.org  

Michael Panfil  
ENVIRONMENTAL DEFENSE FUND  
257 PARK AVENUE SOUTH, FLOOR 16  
NEW YORK NY 10010  
(212) 616-1217  
mpanfil@edf.org  

Dennis Haines  
ENVIRONMENTAL POWER CORP.  
EMAIL ONLY  
EMAIL ONLY NY 00000-0000  
(914) 631-1435  
haines@westnet.com  

Monika Weiss  
ERGSOL  
10033 BROADWAY TERRACE  
OAKLAND CA 94611  
(510) 868-1730  
mweiss@ergsol.com  

Stephen Thiel
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 6ETAL;

(707) 763-4784
TBrowning@EnphaseEnergy.com

James Fine
ENVIRONMENTAL DEFENSE FUND
123 MISSION STREET, 28TH FLOOR
SAN FRANCISCO CA 94105
(415) 293-6060
jfine@edf.org

Adam Simpson
ETAGEN, INC.
186 CONSTITUTION DRIVE
MENLO PARK CA 94025
(650) 561-4281
adam.simpson@etagen.com

Paul Stith
EV GRID, INC
809 SAN ANTONIO ROAD
PALO ALTO CA 94303
(408) 384-9455
pstin@evgrid.com

Stephen Grover
President
EVERGREEN ECONOMICS, INC.
333 SW TALYOR STREET, SUITE 200
PORTLAND OR 97204
(503) 894-7686
grover@evergreenecon.com

Scott Sarem
EVERYDAY ENERGY
5865 AVENIDA ENCINAS, STE 142A
CARLSBAD CA 92008
(760) 607-7200
scott@everydayenergy.us

Lenny Hochschild
Managing Director
EVOLUTION MARKETS, INC.
3 EMBARCADERO CENTER, SUITE 1630
SAN FRANCISCO CA 94111-5802
(415) 963-9138

ERNST & YOUNG
1856 LANTANA LANE
FRISCO TX 75033
(972) 841-9427
steve.thiel@ey.com

Saeed Farrokhpay
FEDERAL ENERGY REGULATORY COMMISSION
1835 IRON POINT RD., STE. 160
FOLSOM CA 95630-8771
(916) 294-0322
Saeed.Farrokhpay@ferc.gov

John M. Cummins, Esq.
Associate Counsel - Dept Of The Navy
FEDERAL EXECUTIVE AGENCIES
1 AVENUE OF THE PALMS, STE. 161
SAN FRANCISCO CA 94130
(415) 743-4718
John.Cummins@navy.mil

Norman J. Furuta
FEDERAL EXECUTIVE AGENCIES
1455 MARKET ST., SUITE 1744
SAN FRANCISCO CA 94103-1399
(415) 503-6994
norman.furuta@navy.mil

Rita Liotta
FEDERAL EXECUTIVE AGENCIES
1 AVENUE OF THE PALMS, STE. 161
SAN FRANCISCO CA 94130
(415) 743-4702
Rita.Liotta@navy.mil

Stephen D. Baker
FELLON-MCCORD AND ASSOC.
CONSTELLATION NEW ENERGY-GAS DIV.
EMAIL ONLY
EMAIL ONLY KY 00000-0000
(502) 214-6313
stephen.baker@constellation.com
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006etal;

lenny@evolutionmarkets.com
Catherine Sullivan
EZ2BGREEN
27479 VIA RAMONA
SAN JUAN CAPISTRANO CA 92675
(310) 704-6760
CatherineSullivan@yahoo.com

Jay C. Mclaughlin
FATHOM ENGINEERING
4843 SOUTH POINT
DISCOVERY BAY CA 94505
(925) 980-5451
JMCLA@comcast.net

Won Hee Park
Manager, Strategic Marketing Operations
FIRST SOLAR, INC.
350 W. WASHINGTON STREET, SUITE 600
TEMPE AZ 85281
(480) 334-1127
WPark@FIRSTSOLAR.COM

Samuel P. Krasnow
V.P. - Regulatory Affairs
FIRSTFUEL SOFTWARE, INC.
ONE EMBARCADERO CENTER, SE. 1150
SAN FRANCISCO CA 94111
(401) 439-0041
skrasnow@firstfuel.com

Joseph Perry
FLEXENERGY
9400 TOLEDO WAY
IRVINE CA 92618
(949) 428-3830
government.affairs@flexenergy.com

Barry R. Flynn
FLYNN RESOURCE CONSULTANTS, INC.
5440 EDGEVIEW DRIVE
DISCOVERY BAY CA 94505
(888) 634-7516
brflynn@flynnrci.com

Pushkar Wagle, Phd
FLYNN RESOURCE CONSULTANTS, INC.
2900 GORDON AVENUE, STE. 100-3
SANTA CLARA CA 95051
(888) 634-3339
pushkarwagle@flynnrci.com

Francis Raquel
FOCAL POINT ENERGY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 899-2685
francis@focalpointenergy.com

Michael Perry
FREEMAN SULLIVAN & CO.
101 MONTGOMERY ST., 15TH FLOOR
SAN FRANCISCO CA 94104
(415) 777-0707
michaelperry@fscgroup.com

Michael Sullivan
FREEMAN SULLIVAN & CO.
101 MONTGOMERY ST., 15TH FLOOR
SAN FRANCISCO CA 94104
(415) 777-0707
MSullivan@Nexant.com

Sam Holmberg
FREEMAN SULLIVAN & CO.
101 MONTGOMERY ST., 15TH FLOOR
SAN FRANCISCO CA 94104
(415) 777-0707
samholmberg@fscgroup.com

Daniel C. Engel
Senior Consultant
FREEMAN, SULLIVAN & CO.
101 MONTGOMERY STREET, 15TH FLOOR
SAN FRANCISCO CA 94104
(415) 777-0707
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200ETAL;

John Pimentel
FOUNDATION WINDPOWER
431 BURGESS DR., STE. 200
MENLO PARK CA 94025-3478
(650) 269-8933
John.Pimentel@FoundationWindPower.com

Kevin Hauck
FOUNDATION WINDPOWER
431 BURGESS DR., STE. 200
MENLO PARK CA 94025-3478
kevin.hauck@foundationwindpower.com

Matthew B. Wilson
FOUNDATION WINDPOWER
431 BURGESS DR., STE. 200
MENLO PARK CA 94025-3478
matt.wilson@foundationwindpower.com

Steve Sherr
FOUNDATION WINDPOWER
431 BURGESS DR., STE 200
MENLO PARK CA 94025-3478
steve.sherr@foundationwindpower.com

dcengel@fscgroup.com

Brian Lydic
Standards & Tech Integration Engineer
FRONIUS USA, LLC
EMAIL ONLY
EMAIL ONLY IN 00000
(734) 548-8664
Lydic.Brian@Fronius.com

George Berntsen
FUELCELL ENERGY, INC.
3 GREAT PASTURE ROAD
DANBURY CT 06810
(203) 825-6022
berntsen@fce.com

Tracy Reid
FUELCELL ENERGY, INC.
PO BOX 4248
WALNUT CREEK CA 94596
(925) 388-3223
TReid@fce.com

James M. Quan
Ceo
FULL CIRCLE RENEWABLES, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(559) 217-8335
jquan@fullcirclerenewables.com

Jim Montgomery
Principal Engineer
FUNCTIONAL DESIGN & ENGINEERING, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
function@nethere.com

Nikhil Gandhi
EMAIL ONLY
EMAIL ONLY CA 00000

Alexander Keros
Advanced Vehicle & Infrastructure Policy
GENERAL MOTORS, LLC
3050 LOMITA BLVD.
TORRANCE CA 90505
(310) 970-2447
alexander.keros@gm.com

John Ritch
GEXA ENERGY CALIFORNIA, LLC
20455 STATE HIGHWAY 249
HOUSTON TX 77070
john.ritch@gexaenergy.com
For: Appendix D

Andrew Luscz
GLACIAL ENERGY OF CALIFORNIA
nikhilvgandhi@gmail.com

Kelcey Gavar
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 496-5576
kgaar@sungevity.com

Charles Smith
GE APPLIANCES
AP35-1104C
LOUISVILLE KY 40225
(502) 452-3517
charlesr.smith@ge.com

Scott Dayer
Region Sales Mgr.- Ge Power & Water
GE PACKAGED POWER, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(925) 750-6122
scott.dayer@ge.com

Brian Geiser
EMAIL ONLY
EMAIL ONLY CA 00000
bgeiser@lmi.net

George Bellino
GENERAL MOTORS
19071 CHANDON LANE
HUNTINGTON BEACH CA 92648
(714) 878-5671
gilbert.bellino@gmail.com

5326 YACHT HAVEN GRANDE BOX 36
ST. THOMAS VI 00802
Andrew.Luscz@GlacialEnergy.com
For: Appendix D

Todd S. Glassey
EMAIL ONLY
EMAIL ONLY CA 00000
tglassey@certichron.com

Craig Kuennen
GLENDALE WATER AND POWER
141 N. GLENDALE AVENUE, 4TH LEVEL
GLENDALE CA 91206
(818) 548-4000
ckuennen@ci.glendale.us

Steven G. Lins
Chief Assistant General Manager
GLENDALE WATER AND POWER
141 N. GLENDALE AVENUE, LEVEL 4
GLENDALE CA 91206-4394
(818) 548-2136
slins@ci.glendale.ca.us

Joe Priyanaonnda
GLOBAL ENERGY PARTNERS, LLC
500 YGNACIO VALLEY RD., STE 450
WALNUT CREEK CA 94596-3853
(925) 284-3780
cpjo@gepllc.com

Ted Bardacke
Senior Associate
GLOBAL GREEN USA
2218 MAIN STREET, 2ND FLOOR
SANTA MONICA CA 90405
(310) 581-2700
tbardacke@globalgreen.org

Robert Gnaizda

Thomas J. Macbride, Jr.
GOODIN MACBRIDE SQUERI DAY & LAMPREY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 392-7900
tmacbride@goodinmacbride.com

Jeanne B. Armstrong
MICHAEL DAY
Of Counsel
15 SOUTHGATE AVE., STE. 200
DALY CITY CA 94015
(650) 953-0522
robertgnaizda@gmail.com

David A. Zizmor
Environmental Law & Justice Clinic
GOLDEN GATE UNIVERSITY SCHOOL OF LAW
GRADUATE FELLOW
536 MISSION STREET
SAN FRANCISCO CA 94105-2968
(415) 442-6656
DZizmor@ggu.edu

Deborah Behles
Environmental Law And Justice Clinic
GOLDEN GATE UNIVERSITY SCHOOL OF LAW
536 MISSION STREET
SAN FRANCISCO CA 94105-2968
(415) 369-5336
dbehles@ggu.edu

Danielle Prall
GOLDEN POWER PARTNERS
2080 FOOTHILLS ROAD
GOLDEN CO 80401-1721
(303) 279-1114 X-100
dprall@goldenpowerpartners.com

Nguyen Quan
Mgr - Regulatory Affairs
GOLDEN STATE WATER CO. - ELECTRIC OP.
630 EAST FOOTHILL BOULEVARD
SAN DIMAS CA 91773
(909) 394-3600 X664
nguyen.quan@gswater.com

Matt Klopenstein
GONZALEZ QUINTANA & HUNTER LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 930-0796
matt@gqhlobby.com

---

Attorney
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO CA 94111
(415) 392-7900
jarmstrong@goodinmacbride.com

John L. Clark
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO CA 94111
(415) 392-7900
jclark@goodinmacbride.com

Marlo A. Go
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO CA 94111
(415) 392-7900
mgo@goodinmacbride.com

Michael B. Day
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO CA 94111-3133
(415) 392-7900
mday@goodinmacbride.com

Brian T. Cragg
GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY
505 SANSOME STREET, SUITE 900
SAN FRANCISCO CA 94111
(415) 392-7900
bcragg@goodinmacbride.com

Nick Goodwin Self
GOODWIN SELF ECO CONSULTING, LLC
6480 CAROLINDA DRIVE
GRANITE BAY CA 95746
(310) 488-2305
info@goodwin-self.com
Michael Terrell
GOOGLE INC.
1600 AMPHITHEATRE PKWY
MOUNTAIN VIEW CA 94043
(650) 214-6398
mterrell@google.com

Mark Schaeffer
GRANITEKEY, LLC
1295 HEATHER LANE
LIVERMORE CA 94551
Mark.Schaeffer@granitekey.com

Mike Ahmadi
GRANITEKEY, LLC
1295 HEATHER LANE
LIVERMORE CA 94551
(925) 413-4365
mike.ahmadi@Granitekey.com

Nicholas Bain
Director
GRAPHITE ENERGY STORAGE PARTNERS, LLC
275 BATTERY ST., 26TH FL.
SAN FRANCISCO CA 94111
Nick.Bain@GraphiteEnergy.com.au

Gregg Morris
Director
GREEN POWER INSTITUTE
2039 SHATTUCK AVENUE, STE 402
BERKELEY CA 94704
(510) 644-2700
gmorris@emf.net

Tony Brunello
GREEN TECHNOLOGY LEADERSHIP GROUP
980 9TH STREET, SUITE 2000
SACRAMENTO CA 95814
(415) 705-7891
tbrunello@greentechleadership.org

Cathleen Monahan
GRID ALTERNATIVES
1171 OCEAN AVENUE, SUITE 200
OAKLAND CA 94608
(510) 731-1332
cmonahan@gridalternatives.org

Erica Mackie, P.E.
Executive Director & Co-Founder
GRID ALTERNATIVES

Kristin Charipar
GRID ALTERNATIVES
1171 OCEAN AVE., SUITE 200
OAKLAND CA 94608
(510) 731-1331
kcharipar@gridalternatives.org

Stanley Greschner
GRID ALTERNATIVES
1171 OCEAN AVENUE, NO. 200
OAKLAND CA 94608-1147
(510) 652-4730 X322
sgreschner@gridalternatives.org

Zach Franklin
Development Director
GRID ALTERNATIVES
1171 OCEAN AVENUE, NO 200
OAKLAND CA 94608-1147
(510) 550-8535
zfranklin@gridalternatives.org

Tim Mason
GRID SUBJECT MATTER EXPERTS, LLC
1847 IRON POINT RD., STE. 140
FOLSOM CA 95630
(510) 812-1416
tmason@gridsme.com

Jian Zhang
Ceo
GRIDX, INC.
19122 BLUE LYNCH CT.
MORGAN HILL CA 95037-9051
(408) 807-9069
jian.zhang@gridx.com

Carl Gustin
GROUNDEDPOWER, INC.
15 PLUM STREET
GLOUCESTER MA 01930
(617) 216-5765
carlgustin@groundedpower.com

Gregory Blue
Principal
GTB CONSULTING
3161 WALNUT BLVD
WALNUT CREEK CA 94596
(925) 323-3612
greg.blue@sbcglobal.net
Ray Siada  
Corporate Energy Manager  
GUARDIAN INDUSTRIES CORP  
2300 HARMON ROAD  
AUBURN HILLS MI 48326  
(248) 340-2334  
siada@guardian.com  

Steve Eastham, Pe  
Electrical Engineer  
GUARDIAN INDUSTRIES CORP - KINGSBURG  
11535 E. MOUNTAIN VIEW  
KINGSBURG CA 93631  
(559) 896-6400 X6400  
seastham@guardian.com  

Ryn Hamilton  
EMAIL ONLY  
EMAIL ONLY MA 00000  
(617) 461-7200  
ryn@rynhamiltonconsulting.com  

Lily M. Mitchell  
HANNA AND MORTON LLP  
444 S. FLOWER STREET, SUITE 1500  
LOS ANGELES CA 90071-2916  
(213) 430-2509  
lmitchell@hanmor.com  

Norman A. Pedersen, Esq.  
HANNA AND MORTON LLP  
444 S. FLOWER STREET, SUITE 1500  
LOS ANGELES CA 90071-2916  
(213) 430-2510  
npedersen@hanmor.com  

Alice Harron  
HARRON LLC  
EMAIL ONLY  
EMAIL ONLY CA 00000  
aharron@harronllc.com  

Grayson Heffner  

Udi Helman  
HELMAN ANALYTICS  
EMAIL ONLY  
EMAIL ONLY CA 00000  
Udi@HelmanAnalytics.com  

Karen Herter  
2201 FRANCISCO DRIVE, STE. 140-120  
EL DORADO HILLS CA 95762  
(916) 397-0101  
Karen@HerterEnergy.com  

Charles Hewitt  
770 LA BUENA TIERRA  
SANTA BARBARA CA 93111  
charles93111@gmail.com  

Bob Higbie  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(510) 356-8863  
bobhigb@gmail.com  

Lee Burdick  
Attorney At Law  
HIGGS, FLETCHER & MACK LLP  
401 WEST A STREET, STE. 2600  
SAN DIEGO CA 92101  
(619) 236-1551  
lburdick@higgslaw.com  

Steve Schmidt  
HIGH ENERGY AUDITS, INC  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(877) 699-6093  
steve@highenergyaudits.com  

John A. Bridge  
HOGAN LOVELLS US LLP  
1999 AVENUE OF THE STARS, SUITE 1400  
LOS ANGELES CA 90067  
(310) 785-4600  

********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

15525 AMBIANCE DRIVE
N. POTOMAC MD 20878
(301) 330-0947

Thomas Millhoff
HELIO MICRO UTILITY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(775) 830-0448
tmillhoff@heliomu.com

john.bridge@hoganlovells.com

Michael Coop
HOMEGRID FORUM
3855 SW 153RD DRIVE
BEAVERTON OR 97006
(503) 619-0676
mcoop@homegridforum.org

Edward Koch
Senior Fellow
HONEYWELL / AKUACOM
781 LINCOLN AVE., STE. 210
SAN RAFAEL CA 94901
(415) 256-2583
edward.koch@honeywell.com

Daniel Hopper
EMAIL ONLY
EMAIL ONLY CA 00000
danrhopper@gmail.com

Stephen J. Callahan
IBM
425 MARKET STREET
SAN FRANCISCO CA 94105
(415) 846-6018
stephen.j.callahan@us.ibm.com

Alice Liddell
ICF INTERNATIONAL
620 FOLSOM STREET, STE. 200
SAN FRANCISCO CA 94107
(415) 677-7133
aliddell@icfi.com

Mabell Garcia Paine
Principal
ICF INTERNATIONAL
601 W 5TH STREET, STE. 900
LOS ANGELES CA 90071
(213) 312-1755
Mabell.Paine@icfi.com

Tam Hunt
HUNT CONSULTING
EMAIL ONLY
EMAIL ONLY CA 00000
(805) 705-1352
tam@communityrenewables.biz

Patty Cook
Senior Vice President
ICF INTERNATIONAL
620 FOLSOM STREET, STE. 200
SAN FRANCISCO CA 94105
(510) 459-8792
patty.cook@icfi.com

Rachel Saperstein
Manager
HYDROVOLTS
EMAIL ONLY
EMAIL ONLY WA 00000
(252) 449-3240
Rachels@hydrovolts.com

Gregory Heiden
Legal Division
RM. 5039
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 355-5539

Julie Still
IMERGY POWER SYSTEMS
48611 WARM STPRINGS BLVD.
FREMONT CA 94539

- 64 -
************ SERVICE LIST ************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

gxh@cpuc.ca.gov
Les Nelson
IAPMO
EMAIL ONLY
EMAIL ONLY CA 00000
(909) 218-8112
lnelson@calseia.org
Robin Smutny-Jones
Dir. - California Policy & Regulation
IBERDROLA RENEWABLES, LLC
EMAIL ONLY
EMAIL ONLY OR 00000
(916) 802-5298
Robin.Smutny-Jones@IberdrolaRen.com
(831) 332-1025
Julie.Still@ImergyPower.com
Tim Hennessy
President And Coo
IMERGY POWER SYSTEMS, INC.
48611 WARM SPRINGS BLVD.
FREMONT CA 94539
(510) 668-1485
timothy.hennessy@ImergyPower.com
Jeffrey M. Garber
General Counsel
IMPERIAL IRRIGATION DISTRICT
333 EAST BARIONI BOULEVARD
IMPERIAL CA 92251
(760) 339-9574
jmgarber@iid.com
Steven Kelly
Policy Director
INDEPENDENT ENERGY PRODUCERS ASSCIAATION
1215 K STREET, STE. 900
SACRAMENTO CA 95814
(916) 448-9499
steven@iepa.com
Amber Riesenhuber
Energy Analyst
INDEPENDENT ENERGY PRODUCERS ASSOC.
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 448-9499
amber@iepa.com
Jay Miller
INDEPENDENT ENERGY SOLUTIONS
EMAIL ONLY
EMAIL ONLY CA 00000
(760) 688-6449
jmiller@indenergysolutions.com
Steve Sanders
Program Director
Jean Shelton
ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
jean.shelton@itron.com
John Cavalli
ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
john.cavalli@itron.com
Kris Bradley
ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
kirs.bradley@itron.com
Mike Rufo
ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
mike.rufo@itron.com
Rachel Harcharik
INSTITUTE FOR LOCAL GOVERNMENT
1400 K STREET, SUITE 205
SACRAMENTO CA 95814
(916) 658-8245
ssanders@ca-ilg.com

Ken Skinner
Vice President, Coo
INTEGRAL ANALYTICS, INC
312 WALNUT STREET, SUITE 1600
CINCINNATI OH 45202
(513) 762-7621

Michael Sheehan
INTERSTATE RENEWABLE ENERGY COUNCIL
7835 85TH PLACE S.E.
MERCER ISLAND WA 98040
Sheehan.mt@gmail.com

Ann Peterson
Principal Energy Consultant
ITRON
330 MADSON PLACE
DAVIS CA 95618
(509) 891-3185
ann.peterson@itron.com

Ed May
ITRON INC.
6501 WILLOWOOD DRIVE
MCKINNEY TX 75070
(214) 906-4330
ed.may@itron.com

Alex Kang
ITRON, INC.
1111 BROADWAY, STE. 1800
OAKLAND CA 94607
(510) 844-2800
alex.kang@itron.com

Chuck Hornbrook
ITRON, INC.

ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
rachel.harcharikl@itron.com

Sharyn Barata
ITRON
EMAIL ONLY
EMAIL ONLY CA 00000
Sharyn.barata@itron.com

Dave Hanna
ITRON INC
11236 EL CAMINO REAL
SAN DEIGO CA 92130-2650
(858) 724-2620
Dave.Hanna@itron.com

Brenda Latter
ITRON INC.
603 OFFICERS ROW
VANCOUVER WA 98661-3837
(360) 906-0616
brenda.latter@itron.com

Bob Ramirez
ITRON, INC. (CONSULTING & ANALYSIS DIV.)
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 724-2650
bob.ramirez@itron.com

Fernando Tamara
Pastor
J. MIRANDA CTR. FOR HISPANIC LEADERSHIP
55 FAIR DRIVE
COSTA MESA CA 92626
fernando@mirandacenter.org

Jerry Jackson
838 CONSTITUTION DRIVE
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL:

EMAIL ONLY
EMAIL ONLY CA 00000
(510) 844-2930
chuck.hornbrook@itron.com

Jeff Hirsch
JAMES J. HIRSCH & ASSOCIATES
12185 PRESILLA ROAD
SANTA ROSA VALLEY CA 93012-9243
(805) 553-9000
James.J.Hirsch@gmail.com

George Simons
Director
ITRON, INC.
330 MADSON PLACE
DAVIS CA 95618-6599
(509) 891-3180
george.simons@itron.com

Kurt Scheuermann
ITRON, INC.
603 OFFICERS ROW
VANCOUVER WA 98661
(360) 906-0616
Kurt.Scheuermann@itron.com

Julia A. Souder
JAS ENERGIES
825 OAK STREET
SAN FRANCISCO CA 94117-2405
(202) 246-3025
julia@jasenergies.com

Smita Gupta
Sr. Energy Consultant
ITRON, INC.
330 MADSON PLACE
DAVIS CA 95618-6599
(509) 891-3189
smita.gupta@itron.com

Gayatri Schilberg
JBS ENERGY
311 D STREET, SUITE A
WEST SACRAMENTO CA 95605
(916) 372-0534
gayatri@jbsenergy.com

William Marin
ITRON, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(509) 891-3193
william.marin@itron.com

Jeffrey Nahigian
JBS ENERGY, INC.
311 D STREET
WEST SACRAMENTO CA 95605
(916) 372-0534
jeff@jbsenergy.com

William B. Marcus
Consulting Economist
JBS ENERGY, INC.
311 D STREET
WEST SACRAMENTO CA 95605
(916) 372-0534
bill@jbsenergy.com

Rich Borba
JKB ENERGY
941 E MONTE VISTA AVE.
TURLOCK CA 95382
(209) 668-5303
rich@jkbenergy.com

Kirby Bosley
JP MORGAN VENTURES ENERGY CORP.
700 LOUISIANA STREET, SUITE 1000
HOUSTON TX 77002
(713) 236-3383
kirby.bosley@jpmorgan.com
Jody S. London
JODY LONDON CONSULTING
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 459-0667
jody_london_consulting@earthlink.net

John Nimmons, J.D.
President
JOHN NIMMONS & ASSOCIATES, INC.
175 ELINOR AVE., STE.G
MILL VALLEY CA 94941
(415) 381-7310
jna@speakeasy.org

Rich Quattrini
Dir. Product Management
JOHNSON CONTROLS
901 CAMPISI WAY, STE 260
CAMPBELL CA 95008-2348
(408) 370-3311
Rich.Quattrini@jci.com

David Weidberg
JOHNSON CONTROLS, INC.
901 CAMPISI WAY, STE. 260
CAMPBELL CA 95008
(408) 370-3311
David.Weidberg@jci.com

Jennifer A. Chamberlin
Dir. Reg Affairs - Int. Demand Resources
JOHNSON CONTROLS, INC.
901 CAMPISI WAY, SUITE 260
CAMPBELL CA 95008-2348
(925) 332-5960
jennifer.anne.chamberlin@jci.com

Richard S. Flood
JOHNSON CONTROLS, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 292-8625
Richard.S.Flood@jci.com

Paul Tramonte
JP MORGAN VENTURES ENERGY CORP.
1111 FANNIN ST., FL. 11
HOUSTON TX 77002-6925
(713) 236-3079
Paul.Tramonte@jpmorgan.com

Jason A. Lewis
Vp, Assist General Counsel
JPMORGAN CHASE BANK, N.A.
245 PARK AVENUE 11TH FLOOR
NEW YORK NY 10167
(212) 648-0762
jason.lewis@jpmorgan.com

Stephen Greenleaf
Vp, Compliance Director
JPMORGAN CHASE BANK, N.A.
2864 ABERDEEN LANE
EL DORADO HILLS CA 95762
(916) 802-5420
stephen.t.greenleaf@jpmorgan.com

Gordon Woodcock
Product Mgr.
KACO NEW ENERGY
12438 LOMA RICA DR., STE. C
GRASS VALLEY CA 95945
(415) 361-5380
gordon.woodcock@kaco-NewEnergy.com

Bruce Karney
833 BUSH STREET
MOUNTAIN VIEW CA 94041
(650) 450-0332
bkarney@comcast.net

Kenneth M. Keating
6902 SW 14TH AVE.
PORTLAND OR 97219
(503) 244-7204
keatingk2@msn.com
Nellie Tong  
Senior Analyst  
KEMA, INC.  
155 GRAND AVE., STE. 500  
OAKLAND CA 94612-3747  
(510) 891-0446  
nellie.tong@us.kema.com

Valerie Richardson  
KEMA, INC.  
EMAIL ONLY  
EMAIL ONLY CA 00000-0000  
(510) 891-0446  
Valerie.Richardson@kema.com

Kevin T. Fox  
KEYES & FOX LLP  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(510) 314-8201  
kfox@kfwlaw.com

David Wooley  
Of Counsel  
KEYES FOX & WEIDMAN, LLP  
436 14TH STREET, STE. 1305  
OAKLAND CA 94612  
(510) 314-8207  
dwooley@kfwlaw.com

Jason Keyes  
KEYES FOX & WEIDMAN LLP  
EMAIL ONLY  
EMAIL ONLY CA 00000  
jkeyes@kfwlaw.com

Joseph F. Wiedman  
Attorney  
KEYES FOX & WIEIDMAN LLP  
436 - 14TH STREET, SUITE 1305  
OAKLAND CA 94612  
(510) 314-8202  
jwiedman@kfwlaw.com

Lawrence G. Chaset  
Attorney  
KEYES FOX & WIEDMAN LLP  
416 14TH STREET, STE. 1305  
OAKLAND CA 94612  
(510) 282-4935

Thadeus B. Culley  
KEYES FOX & WIEDMAN LLP  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(510) 314-8205  
tculley@kfwlaw.com

Tim Lindl  
Counsel  
KEYES FOX & WIEDMAN LLP  
436 14TH STREET, STE. 1305  
OAKLAND CA 94612  
(510) 314-8385  
TLindl@kfwlaw.com

Erica Schroeder Mcconnell  
KEYES FOX & WIEDMAN, LLP  
436 14TH ST., STE. 1305  
OAKLAND CA 94612  
(510) 314-8206  
emcconnell@kfwlaw.com

Sky C. Stanfield  
KEYES FOX WIEDMAN, LLP  
436 14TH STREET, SUITE 1305  
OAKLAND CA 94612  
(510) 314-8204  
sstanfield@kfwlaw.com

Docket Coordinator  
KEYS AND FOX  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(510) 597-1798  
cpucdockets@keyesandfox.com

Kim Kierner  
4475 TIVOLI ST.  
SAN DIEGO CA 92107  
(619) 990-6627  
kmkierner@cox.net

Joel M. Hvidsten  
KINDER MORGAN ENERGY FORECASTER  
1100 TOWN & COUNTRY ROAD, SUITE 700  
ORANGE CA 92868  
(714) 560-4904  
hvidsten@kindermorgan.com

Shawn Cox
KINDER MORGAN ENERGY FORECASTER
1100 TOWN & COUNTRY ROAD, SUITE 700
ORANGE CA 92868
(714) 560-4099
shawn_cox@kindermorgan.com

Iryna Kwasny
Legal Division
RM. 4107
505 Van Ness Avenue
San Francisco CA 94102-3298
(415) 703-1477
iak@cpuc.ca.gov

Richard Roberts
KINETIC ENERGY RESOURCES
25282 DERBYHILL DR.
LAGUNA HILLS CA 92653
(949) 305-0341
rr750@ix.netcom.com

Robert L. Pettinato
L.A. DEPT. OF POWER & WATER-NAT. GAS GRP
111 NORTH HOPE STREET, ROOM 1150
LOS ANGELES CA 90012-0100
(213) 367-1735
robert.pettinato@ladwp.com

Stephanie G. Davis
KNGRID, LLC
26602 DAPPLE GREY DRIVE
LAGUNA HILLS CA 92653-5710
(858) 357-8790
SDavis@kngrid.com

Theresa Martinez
Ceo
L.A. LATINO BUSINESS CHAMBER
634 S. SPRING STREET, SUITE 600
LOS ANGELES CA 90014
tomartinez@lalcc.org

Bruce Perlstein
Director, Advisory
KPMG LLP
55 SECOND ST., STE. 1400
SAN FRANCISCO CA 94105
(415) 963-5163
bperlstein@kpmg.com

Jessica Cohen
Management Follow/Program Manager
L.A.COUNTY OFFICE OF SUSTAINABILITY
EMAIL ONLY
EMAIL ONLY CA 00000
(562) 754-8277
jcohen@isd.lacounty.gov

Avram Pearlman
KW ENGINEERING
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 229-5617
pearlman@kw-engineering.com

Clark E. Pierce
LANDIS & GYR
246 WINDING WAY
STRATFORD NJ 08084
(856) 435-6024
clark.pierce@us.landisgyr.com

Helen Liu
Project Manager
KW ENGINEERING
EMAIL ONLY
EMAIL ONLY CA 0000-0000

Vladimir Oksman
LANTIQ INC.
67 CULFORD PLACE
MORGANVILLE NJ 07751
(510) 229-5616
liu@kw-engineering.com

Michael Kyes
7423 SHAUN CT.
SEBASTOPOL CA 95472
(707) 823-5772
michaelkyes@sbcglobal.net

Rachel Gold
Policy Director
LARGE-SCALE SOLAR ASSOCIATION
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 629-1024
rachel@largescalesolar.org

Shannon Eddy
Executive Director
LARGESCALE SOLAR ASSOCIATION
2501 PORTOLA WAY
SACRAMENTO CA 95818
(916) 731-8371
eddyconsulting@gmail.com

Irene K. Moosen
Attorney At Law
LAW OFFICE OF IRENE K. MOOSEN
53 SANTA YNEZ AVENUE
SAN FRANCISCO CA 94112
(415) 387-7343
irene@igc.org

Thomas Corr
LAW OFFICE OF THOMAS CORR
618 W. LEWIS STREET
SAN DIEGO CA 92013
(619) 540-5694
thomaspcorr@gmail.com

S. Gary Varga
Attorney At Law
LAW OFFICES OF S. GARY VARGA
EMAIL ONLY
EMAIL ONLY CA 00000
(831) 625-5297
vargalaw@MBAY.net

Andrew H. Meyer
LATHAM & WATKINS LLP
355 S. GRAND AVENUE
LOS ANGELES CA 90071
(213) 891-8132
andrew.meyer@lw.com

Jennifer K. Roy
LATHAM & WATKINS LLP
12670 HIGH BLUFF DRIVE
SAN DIEGO CA 92130
(858) 523-5400
jennifer.roy@lw.com

Karin Sanders
LATHAM & WATKINS LLP
12670 HIGH BLUFF DRIVE

John M. Spilman
LAW OFFICE OF JOHN M. SPILMAN
22 FAIRWAY DRIVE
MILL VALLEY CA 94941-1309
(415) 381-7926
johnspilman@netzero.net

Megan M. Myers
LAW OFFICES OF SARA STECK MYERS
SAN DIEGO CA 92130
(858) 523-5400
karin.sanders@lw.com

James Arnone
LATHAM & WATKINS, LLP
12670 HIGH BLUFF DRIVE
SAN DIEGO CA 92130
(858) 523-3997
james.arnone@lw.com

Marc Campopiano
LATHAM & WATKINS, LLP
12670 HIGH BLUFF DRIVE
SAN DIEGO CA 92130
(858) 523-3997
marc.campopiano@lw.com

122 - 28TH AVENUE
SAN FRANCISCO CA 94121
(415) 994-1616
MeganMMyers@yahoo.com

Oliver N. Myers
LAW OFFICES OF SARA STECK MYERS
122 - 28TH AVENUE
SAN FRANCISCO CA 94121
(415) 412-1800
onmyers@gmail.com

Joshua Harris
LAW OFFICES OF STEPHAN C. VOLKER
436 14TH STREET, SUITE 1300
OAKLAND CA 94612
(510) 496-0600
jharris@volkerlaw.com

C.Susie Berlin
LAW OFFICES OF SUSIE BERLIN
1346 THE ALAMEDA, SUITE 7 NO.141
SAN JOSE CA 95126
(408) 209-5837
berlin@susieberlinlaw.com

William H. Booth
Attorney At Law
LAW OFFICES OF WILLIAM H. BOOTH
67 CARR DRIVE
MORAGA CA 94556
(925) 376-7370
wbooth@booth-law.com

Edward Vine
LAWRENCE BERKELEY NATIONAL LABORATORY
BUILDING 90-2002
BERKELEY CA 94720-8136
(510) 486-6047
evine@lbl.gov

Roger Levy
LEY AND ASSOCIATES
2805 HUNTINGTON ROAD
SACRAMENTO CA 95864
(916) 487-0227
rogerl47@aol.com

Thomas W. Lewis
116 GALISTEO CT.
SAN RAMON CA 94583
(925) 989-9480
lewis3000us@gmail.com

Christopher Johnson
LG ELECTRONICS USA, INC.
910 SYLVAN AVENUE
ENCEGWOOD CLIFFS NJ 07632
(201) 266-2419

Samantha Greves
LIBERTY POWER HOLDINGS, LLC
1901 W. CYPRESS CREEK ROAD, STE. 600
FORT LAUDERDALE FL 33309
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL:

LAWRENCE BERKELEY NATIONAL LABORATORY
1 CYCLOTRON RD., MS90R4000
BERKELEY CA 94720
(510) 495-2593
glbarbose@lbl.gov

Janie Page
LAWRENCE BERKELEY NATIONAL LABORATORY
ONE CYCLONE ROAD, MS 90-1121
BERKELEY CA 94720
JPage@lbl.gov

Gerald T. Robinson
LAWRENCE BERKELEY NATIONAL LABS
ONE CYCLOTRON ROAD
BERKELEY CA 94720
(510) 486-5769
gtrobinson@lbl.gov

Brian Orion
LAWYERS FOR CLEAN ENERGY
656A CLAYTON STREET
SAN FRANCISCO CA 94117
(858) 354-8222
borion@lawyersforcleanenergy.com

Franco Castaldini
President/Co-Founder
LEVA ENERGY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 733-5282
franco.castaldini@levaenergy.com

Chuck Solt
LINDH & ASSOCIATES
7909 WALERQA RD., STE 112, PMB 119
ANTELOPE CA 95843
(916) 729-5004
chuck@csolt.net

Daryl Michalik
LOCAL CLEAN ENERGY ALLIANCE
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 305-0202
darylmic@gmail.com

sgreves@libertypowercorp.com
For: Appendix D

Yanira M. Gomez
LIBERTY POWER CORP.
1901 W. CYPRESS CREEK RD., STE. 600
FORT LAUDERDALE FL 33309
(954) 958-5350
ygomez@libertypowercorp.com

LIBERTY UTILITIES LLC (FORMERLY CALPECO)
933 ELOISE AVENUE
SOUTH LAKE TAHOE CA 96150
(530) 546-1720
cpuc@libertyutilities.com

Travis O'Guin
LIGHTSAIL ENERGY
914 HEINZ AVE.
BERKELEY CA 94710
(510) 981-8088 X-127
toguin@lightsailenergy.com

Neil O'Donovan
LINCOLN RENEWABLE ENERGY
1675 LARIMER STREET, STE. 440
DENVER CO 80202
(602) 321-6878
nodonovan@lrenergy.com

Richard Mccann, Ph.D
M. CUBED
2655 PORTAGE BAY, SUITE 3
DAVIS CA 95616
(530) 757-6363
rmccann@umich.edu

Daryl Maas
EMAIL ONLY
EMAIL ONLY CA 00000
(210) 527-7631
daryl@maasenergy.com

David L. Huard
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 6ETAL:

Joseph Oldham
LOCAL GOVERNMENT COMMISSION
1303 J STREET, STE. 250
SACRAMENTO CA 95814
(916) 448-1198 X-309
joldham@lgc.org

Jennifer A. Warren
Vp - Tech. Policies & Regulation
LOCKHEED MARTIN CORPORATION
2121 CRYSTAL DR., STE. 100
ARLINGTON VA 22202
(703) 413-5970
Jennifer.warren@lmco.com

Leilani Johnson Kowal
LOS ANGELES DEPARTMENT OF WATER & POWER
111 N. HOPE STREET
LOS ANGELES CA 90012
(213) 357-3023
leilani.johnson@ladwp.com

Jennifer Chamberlin
LS POWER DEVELOPMENT, LLC
5000 HOPYARD ROAD, SUITE 480
PLEASANTON CA 94588
(925) 201-5253
JChamberlin@LSPower.com

Michael Murray
LUCID
304 12TH STREET, SUITE 3C
OAKLAND CA 94607
(510) 907-0400
michael@luciddg.com

Jeremy Waen
Regulatory Analyst
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000

MANATT, PHELPS & PHILLIPS, LLP
ONE EMBARCADERO CENTER, 30TH FL.
SAN FRANCISCO CA 94111
(415) 291-7430
DHuard@manatt.com

F. Jackson Stoddard
MANATT, PHELPS & PHILLIPS, LLP
ONE EMBARCADERO CENTER, 30TH FL
SAN FRANCISCO CA 94111
(415) 291-7548
jstoddard@manatt.com

David Marcus
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 528-0728
dmarcus2@sbcglobal.net

Beckie Menten
Efficiency Coordinator
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 464-6034
bmenten@mceCleanEnergy.org

Dawn Weisz
Executive Director
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 464-6020
dweisz@mceCleanEnergy.org

Elizabeth Kelly
Legal Director
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 464-6022
Ekelly@mceCleanEnergy.org

John W. Leslie, Esq
Attorney
MCKENNA LONG & ALDRIDGE LLP
EMAIL ONLY
EMAIL ONLY CA 00000

(415) 464-6027
JWaen@mceCleanEnergy.org

Mce Regulatory
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
regulatory@mceCleanEnergy.org

Shalini Swaroop
Regulatory Counsel
MARIN CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 464-6040
sswaroop@mceCleanEnergy.org

Greg San Martin
PO BOX 5114
BERKELEY CA 94705
gjs8@att.net

MASH COALITION
EMAIL ONLY
EMAIL ONLY CA 00000
Admin@mash-coalition.org

Emily N. Smith
Attorney At Law
MCDERMOTT WILL & EMERY LLP
600 THIRTEENTH ST., NW
WASHINGTON DC 20005
(202) 756-8000
ensmith@mwe.com

Thomas L. Hefty
MCDERMOTT WILL & EMERY LLP
227 WEST MONROE STREET
CHICAGO IL 60606
(312) 984-7636
tlhefty@mwe.com

Doran Meaghan
MCE CLEAN ENERGY
781 LINCOLN AVE., STE. 320
SAN RAFAEL CA 94553
MDoran@MCECleanEnergy.org

(619) 699-2536
JLeslie@McKennaLong.com

Stephen Rumbaugh
MEGAWATT ENERGY DEVELOPMENT
6360 CHATTSWOOD DR.
MARTINEZ CA 94553
(925) 917-0566
srr@megawattholdings.com

David Macmillan
President
MEGAWATT STORAGE FARMS, INC
3931 JEFFERSON AVE
WOODSIDE CA 94062
(650) 365-3392
proceedings@megawattsf.com

Don Ouchley
MERCED IRRIGATION DISTRICT
PO BOX 2288
MERCED CA 95344-0288
(209) 722-5761
douchley@mercedid.org

Lali Nathan
MERIDIAN ENERGY USA, INC
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(559) 237-4037
lnathan@meridianenergyusa.com

Gregory Reiss
MILLENNIUM MANAGEMENT LLC
666 FIFTH AVENUE, 8TH FLOOR
NEW YORK NY 10103
(212) 320-1036
Gregory.Reiss@mlp.com

Misi Bruceri
MISTI BRUCERI & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(707) 320-2500
mistib@comcast.net
************** SERVICE LIST **************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

Faramarz Maghsoodlou
President
MITRA POWER
PO BOX 60549
SUNNYVALE CA 94088
(408) 368-9613
faramarz@ieee.org

Jimi Netniss
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO CA 95354
(209) 526-7592
jimin@mid.org

Joy A. Warren
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO CA 95354
(209) 526-7389
joyw@mid.org

Linda Fischer
Legal Department
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO CA 95354
(209) 526-7388
lindaf@mid.org

Roger Van Hoy
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO CA 95354
(209) 526-7464
rogerv@mid.org

Thomas S. Kimball
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO CA 95354
(209) 557-1510
tomk@mid.org

Tom Kimball
MODESTO IRRIGATION DISTRICT
PO BOX 4069
MODESTO CA 95352

Shaun Yeager
MOHR POWER SOLAR, INC
1454 POMONA ROAD
CORONA CA 92882
(800) 637-6527 X114
warehouse@mohrpower.com

Marty Ryan
Vp & General Counsel
MONTAUK ENERGY HOLDINGS, LLC
680 ANDERSEN DRIVE
PITTSBURGH PA 15220
(412) 747-8718
mryan@montaukenergy.com

Steven Huhman
MORGAN STANLEY CAPITAL GROUP INC.
2000 WESTCHESTER AVENUE
PURCHASE NY 10577
(914) 225-1592
steven.huhman@morganstanley.com

David Morse
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(530) 756-5033
davidmorse9@gmail.com

MRW & ASSOCIATES, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 834-1999
mrw@mrwassoc.com

Charles Siegel
MUNGER TOLLES & OLSON
EMAIL ONLY
EMAIL ONLY CA 00000
Charles.Siegel@mto.com

Abhay Gupta
Ceo
MYenersave, INC.
20278 CLAY STREET
CUPERTINO CA 95014
(408) 464-6385
abhay@myenersave.com
Donald Gilligan  
President  
NAT' L  ASSN. OF ENERGY SVC. COMPANIES  
1615 M STREET, NW  
WASHINGTON DC 20036  
(978) 740-8820  
dgilligan@naesco.org

Aaron J. Lewis  
Counsel  
NATIONAL ASIAN AMERICAN COALITION  
15 SOUTHGATE AVE., STE. 200  
Daly City CA 94015  
(650) 952-0522 X-235  
alewis@naac.org

Aaron Lewis  
Counsel  
NATIONAL ASIAN AMERICAN COALITION  
15 SOUTHGATE AVENUE, SUITE 200  
Daly City CA 94015  
(650) 952-0522 X-235  
alewis@naac.org

Cassandra Yamasaki  
NATIONAL ASIAN AMERICAN COALITION  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(650) 952-0522  
cyamasaki@naac.org

Faith Bautista  
President & Ceo  
NATIONAL ASIAN AMERICAN COALITION  
15 SOUTHGATE AVE., STE. 200  
Daly City CA 94015  
(650) 953-0522  
FBautista@NAACoalition.org

Jeffrey Leahey  
Deputy Executive Dir.  
NATIONAL HYDROPOWER ASSOCIATION  
25 MASSACHUSETTS AVE. NW, STE. 450  
WASHINGTON DC 20001  
(202) 682-1700 X-15  
jeff@hydro.org

Tim Merrigan  
NATIONAL RENEWABLE ENERGY LABORATORY  
1617 COLE BLVD. M/S 1725  
GOLDEN CO 80401  
(303) 384-7349  
tim.merrigan@nrel.gov

Devra Wang  
Staff Scientist  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-6100  
dwang@nrdc.org

Lara Ettenson  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-6100  
lettenson@nrdc.org

Maria Stamas  
Legal Fellow, Energy Program  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-8240  
mstamas@nrdc.org

Max Baumhefner
Edric F. Guise  
NATIONAL ENERGY SOLUTIONS, LLC  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(562) 434-1446  
EGuise@NESLLC.co

Scott Samuelsen  
Director  
NATIONAL FUEL CELL RESEARCH CENTER  
UNIVERSITY OF CALIFORNIA  
IRVINE CA 92697-3550  
(949) 824-5468  
gss@uci.edu

Merrian Borgeson  
Senior Scientist  
NATURAL RESOURCES DEFENSE COUNCIL  
111 SUTTER STREET, 20TH FLOOR  
SAN FRANCISCO CA 94104  
(415) 875-6100 X6174  
mborgeson@nrdc.org

Noah Long  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-6100  
nlong@nrdc.org

Karin Corfee  
Managing Director  
NAVIGANT CONSULTING INC  
1 MARKET ST., SPEAR ST. TOWER, ST. 1200  
SAN FRANCISCO CA 94105  
(415) 356-7178  
karin.corfee@navigant.com

Pierre Bull  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-6117  
pbull@nrdc.org

Jennifer Barnes  
NAVIGANT CONSULTING, INC.  
EMAIL ONLY  
EMAIL ONLY CA 00000-0000  
(415) 399-2116  
Jennifer.Barnes@Navigantconsulting.com

Sheryl Carter  
NATURAL RESOURCES DEFENSE COUNCIL  
111 SUTTER ST., 20TH FLR.  
SAN FRANCISCO CA 94104-4540  
(415) 875-6117  
scarter@nrdc.org

Sierra Martinez  
Legal Fellow  
NATURAL RESOURCES DEFENSE COUNCIL  
111 SUTTER ST., 20TH FLOOR  
SAN FRANCISCO CA 94104  
(415) 875-8204  
mbaumhefner@nrdc.org

Meredith Connolly  
NATURAL RESOURCES DEFENSE COUNCIL  
EMAIL ONLY  
EMAIL ONLY CA 00000  
(415) 875-6100  
mconnolly@nrdc.org

Paul D. Maxwell

Sierra Martinez
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

Legal Dir - Calif. Energy Project
NATURAL RESOURCES DEFENSE COUNCIL
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 875-6100
smartinez@nrdc.org
Charlie Bloch
NAVIGANT
1375 WALNUT STREET, SUITE 200
BOULDER CO 80302
(303) 728-2500
charlie.bloch@navigant.com
Lindsay Battenberg
NAVIGANT CONSULTING
1 MARKET ST., STE. 1200
SAN FRANCISCO CA 94105
(415) 356-7160
lindsay.battenberg@navigant.com

Navigant Consulting, Inc.
35 IRON POINT CIRCLE, STE. 225
FOLSOM CA 95630
(916) 631-2300
pmaxwell@navigantconsulting.com
Shannon Graham
Associate Director
NAVIGANT CONSULTING, INC.
ONE MARKET, SPEAR STREET TOWER, STE 1200
SAN FRANCISCO CA 94105
(415) 399-2164
SGraham@navigantconsulting.com
Khojasteh Davoodi
NAVY ACQ-UTILITY RATES & STUDIES OFFICE
DEPT OF THE NAVY, FACILITIES ENGINEERING
1322 PATTERSON AVE., SE - BLDG NO. 33
WASHINGTON NAVY YARD DC 20374-5018
(202) 685-0130
khojasteh.davoodi@navy.mil

Nancy Brockway
NBROCKWAY & ASSOCIATES
10 ALLEN STREET
BOSTON MA 02131
(617) 645-4018
nbrockway@aol.com
Steve Nebozuk
10060 GOETHE RD.
SACRAMENTO CA 95827
(916) 876-6118
nebozuks@sacsewer.com
David Nemtzow
NEMTZOW & ASSOCIATES
EMAIL ONLY
EMAIL ONLY CA 00000
(310) 622-2981
david@nemtzow.com
Barbara Andrews

Steve George
NEXANT
EMAIL ONLY
EMAIL ONLY CA 00000
SGeorge@nexant.com
Terry Fry
Sr. Vp, Energy & Carbon Management
NEXANT INC
101 SECOND ST. 10TH FLR
SAN FRANCISCO CA 94105
(415) 369-1021
tmfry@nexant.com
Kerry Hattevik
Director Of West Market Affairs
NEXT ERA ENERGY RESOURCES LLC
829 ARLINGTON BLVD.
EL CERRITO CA 94530
(510) 898-1847
kerry.hattevik@nee.com

- 79 -
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL:

---

Analyst/Quality Editor
NERAC, INC.
ONE TECHNOLOGY DRIVE
TOLLAND CT 06083
(860) 872-7000

Jeffrey Klompus
NEWCOMB ANDERSON MCCORMICK
201 MISSION ST., STE. 2000
SAN FRANCISCO CA 94105
(415) 230-8412
jeff_klompus@newcomb.cc

Barney Speckman
Vp - Grid Management
NEXANT
101 SECOND STREET, 11TH FLOOR
SAN FRANCISCO CA 94105
(415) 369-1017
bspeckman@nexant.com

Greg Rybka
NEXANT
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 369-1042
grybka@nexant.com

Josh Bode
NEXANT
EMAIL ONLY
EMAIL ONLY CA 00000
jbode@nexant.com

Marty Rogers
Managing Attorney
NEXTERA ENERGY RESOURCES
601 TRAVIS STREET, STE. 1900
HOUSTON TX 77002
(713) 374-1580
Marty.Rogers@nee.com

Winton Kelly
Director Of Power Markets
NEXTERA ENERGY RESOURCES
700 UNIVERSE BLVD.
JUNO BEACH FL 33408
(561) 304-6102
winton.kelly@nee.com

Matthew Swindle
Ceo & Founder
NLINE ENERGY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 373-2025
mswindle@nlineenergy.com

Greg Bass
NOBLE AMERICAS ENERGY SOLUTIONS LLC
401 WEST A STREET, SUITE 500
SAN DIEGO CA 92101-3017
(619) 684-8199
gbass@noblesolutions.com

Parry Buck
NORCALWIND
EMAIL ONLY
EMAIL ONLY CA 00000
(209) 367-5467

Sebastian J. Nola
Consultant
89 OHA OHA PLACE
MAKAWAO HI 96768
(808) 573-1171
BashNola@aol.com

Brian Theaker
NRG ENERGY
3161 KEN DEREK LANE
PLACERVILLE CA 95667
(530) 295-3305
brian.theaker@nrgenergy.com

Mike Tierney
Attorney At Law
NRG ENERGY & PADOMA WIND POWER
829 ARLINGTON BLVD,
EL CERRITO CA 94830

---
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

**RESPONDENTS:** PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 ETAL;

parry@norcalwind.com

Shelly-Ann Maye
NORTH AMERICA POWER PARTNERS
308 HARPER DRIVE, SUITE 320
MOORESTOWN NJ 08057
(856) 439-0800
smaye@nappartners.com

Robert C. Rowe
NORTH WESTERN ENERGY
40 EAST BROADWAY
BUTTE MT 59701
(406) 497-2150
bob.rowe@northwestern.com

Scott Tomash esky
NORTHERN CALIFORNIA POWER AGENCY
651 COMMERCE DRIVE
ROSEVILLE CA 95678
(916) 781-4291
scott.tomashfesky@ncpa.com

Jill N. Jaffe
NOSSAMAN LLP
50 CALIFORNIA STREET, 34TH FLOOR
SAN FRANCISCO CA 94111
(415) 398-3600
jjaife@Nossaman.com

Martin Mattes
NOSSAMAN LLP
50 CALIFORNIA STREET, STE. 3400
SAN FRANCISCO CA 94111-4799
(415) 398-3600
mmattes@nossaman.com

Jesse Smith
Project Director
NOVA PARTNERS, INC
855 EL CAMINO REAL, STE. 307
PALO ALTO CA 94301
(650) 354-5324
jesse@novapartners.com

(510) 898-1847
kerry.hattevik@nrgenergy.com

Abraham Silverman
Assist. Gen. Counsel - Regulatory
NRG ENERGY, INC.
211 CARNEGIE CENTER DRIVE
PRINCETON NJ 08540
(609) 524-4696
abraham.silverman@nrgenergy.com

Brian Theaker
Director - Market Affairs
NRG ENERGY, INC.
3161 KEN DEREK LANE
PLACERVILLE CA 95667
(530) 295-3305
brian.theaker@nrgenergy.com

Andrew Levitt
NRG EV2G
211 CARNEGIE CENTER
PRINCETON NJ 08540
(267) 702-4752
andrew.levitt@nrgnewventures.com

Scott Fisher
NRG EV2G LLC
211 CARNEGIE CENTER
PRINCETON NJ 08540
(609) 524-4647
scott.fisher@nrgenergy.com

Sean P. Beatty
Dir - West Regulatory Affairs
NRG WEST
EMAIL ONLY
EMAIL ONLY CA 00000
(925) 427-3483
sean.beatty@nrgenergy.com

Diane I. Fellman
Director, Regulatory & Gov’T Affairs
NRG WEST & SOLAR

Margarita Gutierrez
Deputy City Attorney
OFFICE OF SF CITY ATTORNEY
- 82 -

*************** SERVICE LIST ***************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPost

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200

EMAIL ONLY
EMAIL ONLY CA 00000
(415) 601-2025
Diane.Fellman@nrgenergy.com

Kevin Matthews
Managing Director
NSI, LLC
1400 EYE ST., N.W., STE. 900
WASHINGTON DC 20005
(202) 349-7010
kmatthews@nationalstrategies.com

Satoru Fujimoto
Vp - Corporate Strategy
NTT AMERICA
101 PARK AVE.
NEW YORK NY 10178
(212) 808-2204
satoru.fujimoto@ntta.com

Ruth Clark
NW NATRUAL GAS STORAGE LLC
220 NW SECOND AVE.
PORTLAND OR 97209
(877) 464-7215
scheduling.nwnats@nwnatural.com

Ann Cavoukian, Ph.D
Commissioner
OFF. OF THE INFORMATION AND PRIVACY COMM
2 BLOOR STREET EAST, STE. 1400
TORONTO ON M4W 1A8
CANADA
(416) 326-3938
commissioner@ipc.on.ca

Nick Pappas
OFFICE OF ASSEMBLYMAN NATHAN FLETCHER
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 319-2959
Nick.Pappas@asm.ca.gov

Jim Metropulos
OFFICE OF SENATOR LOIS WOLK
EMAIL ONLY
EMAIL ONLY CA 00000
Jim.Metropulos@sen.ca.gov

1 DR. CARLTON B. GOODLETT PLACE, RM. 234
SAN FRANCISCO CA 94102
(415) 554-4632
margarita.gutierrez@sfgov.org

Ben Ford
OLD REDWOOD COMMONS ASSOCIATION
EMAIL ONLY
COTATI CA 00000
(707) 795-9997
ben.ford@member.ams.org

Beth Reid
OLIVINE, INC.
2010 CROW CANYON PLACE, STE. 100
SAN RAMON CA 94583
(888) 717-3331
breid@olivineinc.com

Eric Huffaker
OLIVINE, INC.
2010 CROW CANYON ROAD, SUITE 100
SAN RAMON CA 94583
(888) 717-3331
cpuc-r1311007@olivineinc.com

Robert W. Anderson
OLIVINE, INC.
2010 CROW CANYON PLACE, STE. 100
SAN RAMON CA 94583
(888) 717-3331
cpuc-r1109011@OlivineInc.com

Tim Frigon
ONLINE CLEAN ENERGY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(760) 942-8600 X-104
Tim@onlinecleanenergy.com

Richard T. Sperberg
ONSITE ENERGY CORPORATION
2701 LOKER AVE. WEST., SUITE 107
CARLSBAD CA 92010
(760) 931-2400
rsperberg@onsitenergy.com
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ET AL:

Farrokh Aluyek, Ph.D.
OPEN ACCESS TECHNOLOGY INTERNATIONAL
1300 ISLAND DR., STE. 101
REDWOOD CITY CA 94065
(763) 201-2035
farrokh.albuyeh@oati.net

Ali Ipakchi
Vp Smart Grid And Green Power
OPEN ACCESS TECHNOLOGY, INC
1300 ISLAND DR., STE. 101
REDWOOD CITY CA 94065-5171
(651) 335-9867
ali.ipakchi@oati.com

Hannah Arnold
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
harnold@opiniondynamics.com

Jennifer Mitchell-Jackson
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
jmj@opiniondynamics.com

Mary Sutter
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
msutter@opiniondynamics.com

Nina Merchant-Vega
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
(510) 444-5050
NMerchantVega@opiniondynamics.com

Olivia Patterson
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
(510) 444-5050
opatterson@opiniondynamics.com

Anne Dougherty
OPINION DYNAMICS CORPORATION
1999 HARRISON ST. FLOOR 6, STE 650
OAKLAND CA 94612
(510) 444-5050 X100
adougherty@opiniondynamics.com

Megan Campbell
OPINION DYNAMICS CORPORATION
1999 HARRISON STREET
OAKLAND CA 94612
(510) 444-5050

Mikhail Haramati
Associate
OPINION DYNAMICS CORPORATION
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
(510) 444-5050 X-122
mharamati@opiniondynamics.com

Isabelle Gecils
OPINON DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
(510) 444-5050
igecils@opiniondynamics.com

Chuck Buck
Manager, Regulatory Affairs
OPOWER
EMAIL ONLY
EMAIL ONLY CA 00000
(805) 610-9437
charlie.buck@opower.com

Matt Mccaffree
OPOWER
1515 N. COURTHOUSE RD., STE 800
ARLINGTON VA 22201-7909

Matthew O’Keefe
OPOWER
760 MARKET STREET, 4TH FLOOR
SAN FRANCISCO CA 94920
(925) 337-0498
Tami Buhr
OPINION DYNAMICS
1999 HARRISON ST., STE. 1420
OAKLAND CA 94612
tbuhr@opiniondynamics.com

california@opower.com

Michael Sachse
Sr Dir - Gov'T Affairs And Gen Counsel
OPOWER
1515 N. COURTHOUSE RD., SUITE 800
ARLINGTON VA 22201-2909
(646) 265-0556
michael.sachse@opower.com

Lance Bell
ORMAT
6225 NEIL ROAD
RENO NV 89511
(775) 356-9029
lbell@ormat.com

Kim Ngo
PACIFIC GAS & ELECTRIC CO
245 MARKET STREET, MC N7R
SAN FRANCISCO CA 94105
(415) 973-0661
kxn8@pge.com

Bob Sullivan
Vp Business Development
ORMAT TECHNOLOGIES
6225 NEIL ROAD
RENO NV 89511
(775) 240-6266
BSullivan@Ormat.com

Amanda Moore
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
a4mx@pge.com

Heidi Bethel
Dir. - Policy & Business Development
ORMAT TECHNOLOGIES INC.
6225 NEIL ROAD
RENO NV 89511
(775) 336-0147
hbethel@ormat.com

Brad Wetstone
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
b1wa@pge.com

Janet Peterson
OUR HOME SPACES
20 PIMENTEL COURT, B8
NOVATO CA 94949
(415) 883-8051
j_peterson@ourhomespaces.com

Briana Frye
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-2977
BxFf@pge.com

Philip Undercuffler
Dir. - Product Management & Strategies
OUTBACK POWER TECHNOLOGIES
17825 9TH AVE., NE, STE. B
ARLINGTON WA 98223
(360) 618-4306
pundercuffler@outbackpower.com

Caitlin Henig
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE STREET, RM, 923
SAN FRANCISCO CA 94105
(415) 973-1400
CJSv@pge.com

Catherine Tarasova
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE ST., RM. 1053, MC B10A
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Don Wood
PACIFIC ENERGY POLICY CENTER
4539 LEE AVENUE
LA MESA CA 91941
(619) 463-9035
dwood8@cox.net

Jenny Gluzgold
PACIFIC GAS & ELECTRIC CO.
77 BEALE STREET, B9A
SAN FRANCISCO CA 94105
(415) 973-0347
yxg4@pge.com

Christopher Smith
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE STREET, B9A
SAN FRANCISCO CA 94105
(415) 973-2130
C5SE@pge.com

Claudia Bustamante
Rate Case Coordinator
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE STREET, RM. 991. MC: B9A
SAN FRANCISCO CA 94105
(415) 973-0087
C4bo@pge.com

David Bayless
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-4391
dpb5@pge.com

Elliana Spiegel
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
e2sj@pge.com

Genevieve Dufau-Mccarthy
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-1602
gfd3@pge.com

Jason Legler
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(414) 972-5900
j4lu@pge.com

Jessica Tsang

Mary A. Gandesbery
Attorney
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE STREET, MSB30A / PO BOX 7442
SAN FRANCISCO CA 94105
(415) 973-0675
MAGq@pge.com

Rachel Sackman
Strategic Analyst
PACIFIC GAS & ELECTRIC COMPANY
245 MARKET STREET, NQ4
SAN FRANCISCO CA 94105
(415) 635-7286
rysk@pge.com

Renee C. Samson
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-6164
r5sz@pge.com

Tessa Myles-Garcia
Senior Regulatory Case Manager
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE STREET, ROOM 921
SAN FRANCISCO CA 94105

- 85 -
Sr. Product Manager, Electric Vehicles
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-6939
Jessica.Tsang@pge.com

Margot Everett
Senior Director
PACIFIC GAS & ELECTRIC COMPANY
77 BEALE ST., B10B
SAN FRANCISCO CA 94105
mec3@pge.com

Mark Huffman
Law Dept
PACIFIC GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-3842
mrh2@pge.com

Candice Wang
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B2553 F
SAN FRANCISCO CA 94105
c1ww@pge.com
For: Appendix D

Gail L. Slocum
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-6583
glsg@pge.com

Garen Grigoryan
PACIFIC GAS AND ELECTRIC COMPANY
245 MARKET STREET, RM. 1255D
SAN FRANCISCO CA 94105
(415) 973-8803
G1GK@pge.com

George Zahariudakis
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
gxz5@pge.com

Case Administration
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000; MC B9A
SAN FRANCISCO CA 94177
regrelcpuccases@pge.com

Case Coordination
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-4744

Uric Kwan
Manager
PACIFIC GAS & ELECTRIC COMPANY
245 MARKET STREET, MC N3F
SAN FRANCISCO CA 94105
(415) 973-6686
uxk2@pge.com

Mareijke Weidemann
PACIFIC GAS & ELECTRIC COOMPANY
77 BEALE STREET, RM. 1005, MC B10B
SAN FRANCISCO CA 94105
m2w8@pge.com

Andrew Yip
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, MC B27P
SAN FRANCISCO CA 94177
(415) 973-6143
AXY4@pge.com
********* SERVICE LIST *********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-
OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

EMAIL ONLY CA 00000
m1nz@pge.com

Nick Stimmel
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
NjJs@pge.com

Randall J. Litteneker
STACY W. WALKER
Attorney At Law
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 7442, B30A
SAN FRANCISCO CA 94120
(415) 973-2179
rjl9@pge.com

Randy Litteneker
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B30A
SAN FRANCISCO CA 94105
(415) 973-2179
RJL9@pge.com

Regulatory File Room
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 7442
SAN FRANCISCO CA 94120
(415) 973-4295
CPUCCases@pge.com

Robert Chan
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000-0000
RKCO@pge.com

Sandy Lawrie
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B9A
SAN FRANCISCO CA 94105
(415) 973-2494
slda@pge.com

77 BEALE STREET, MC B30A
SAN FRANCISCO CA 94105
(415) 973-6611
swww@pge.com

Steven R. Haertle
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B9A
SAN FRANCISCO CA 94105
(415) 972-5603
SRH1@pge.com

Tom Jarman
Energy
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, RM. 909, MC B9A
SAN FRANCISCO CA 94105-1814
(415) 973-7157
taj8@pge.com

Trina Horner
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE ST., MC B10C, RM 1065
SAN FRANCISCO CA 94105
tnhc@pge.com

Wade A. Greenacre
Case Mgr.
PACIFIC GAS AND ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 973-8098
wag9@pge.com

Brad Ryan
PACIFICORP
825 NE MULTNOMAH, STE. 1600
PORTLAND OR 97232
(503) 813-5541
brad.ryan@pacificorp.com

Cathie Allen
Sarah Wallace

- 88 -
<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Email Only</th>
<th>Phone</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory Mgr.</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td>(503) 813-5934</td>
<td><a href="mailto:CaliforniaDockets@pacificorp.com">CaliforniaDockets@pacificorp.com</a></td>
</tr>
<tr>
<td>Erik Anderson</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td>(503) 813-5701</td>
<td><a href="mailto:erik.anderson@pacificorp.com">erik.anderson@pacificorp.com</a></td>
</tr>
<tr>
<td>Jeff Bumgarner</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td>(503) 813-5161</td>
<td><a href="mailto:jeff.bumgarner@pacificorp.com">jeff.bumgarner@pacificorp.com</a></td>
</tr>
<tr>
<td>Joelle Steward</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td>(503) 813-5542</td>
<td><a href="mailto:joelle.steward@PacifiCorp.com">joelle.steward@PacifiCorp.com</a></td>
</tr>
<tr>
<td>Mark Rabuano</td>
<td>PACIFICORP</td>
<td></td>
<td></td>
<td><a href="mailto:Mark.Rabuano@PacifiCorp.com">Mark.Rabuano@PacifiCorp.com</a></td>
</tr>
<tr>
<td>Mary Wiencke</td>
<td>PACIFICORP</td>
<td></td>
<td>(503) 813-5058</td>
<td><a href="mailto:mary.wiencke@pacificorp.com">mary.wiencke@pacificorp.com</a></td>
</tr>
<tr>
<td>Michelle Mishoe</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td>(503) 813-5977</td>
<td><a href="mailto:Michelle.Mishoe@pacificorp.com">Michelle.Mishoe@pacificorp.com</a></td>
</tr>
<tr>
<td>Senior Mgr.</td>
<td>PACIFICORP</td>
<td></td>
<td></td>
<td><a href="mailto:pacificorp@pacificorp.com">pacificorp@pacificorp.com</a></td>
</tr>
<tr>
<td>Senior Attorney</td>
<td>PACIFICORP</td>
<td>EMAIL ONLY</td>
<td></td>
<td><a href="mailto:pacificorp@pacificorp.com">pacificorp@pacificorp.com</a></td>
</tr>
<tr>
<td>Senior Attorney</td>
<td>PANASONIC</td>
<td>EMAIL ONLY</td>
<td>(317) 457-1200</td>
<td><a href="mailto:michael.stelts@us.panasonic.com">michael.stelts@us.panasonic.com</a></td>
</tr>
<tr>
<td>Shawn Kita</td>
<td>PANASONIC INDUSTRIAL DEVICES SALES CO</td>
<td></td>
<td>(408) 861-3987</td>
<td><a href="mailto:shawn.kmita@us.panasonic.com">shawn.kmita@us.panasonic.com</a></td>
</tr>
<tr>
<td>Steve Endo</td>
<td>PASADENA DEPARTMENT OF WATER &amp; POWER</td>
<td></td>
<td>(626) 744-6246</td>
<td><a href="mailto:sendo@ci.pasadena.ca.us">sendo@ci.pasadena.ca.us</a></td>
</tr>
<tr>
<td>Eric Klinkner</td>
<td>PASADENA DEPARTMENT OF WATER AND POWER</td>
<td></td>
<td>(626) 744-4478</td>
<td><a href="mailto:eklinkner@cityofpasadena.net">eklinkner@cityofpasadena.net</a></td>
</tr>
<tr>
<td>Jill E. Yung</td>
<td>PAUL HASTINGS, LLP</td>
<td></td>
<td>(415) 856-7230</td>
<td><a href="mailto:jillyung@paulhastings.com">jillyung@paulhastings.com</a></td>
</tr>
<tr>
<td>Arthur L. Haubenstock</td>
<td>PERKINS COIE LLP</td>
<td></td>
<td>(415) 344-7022</td>
<td><a href="mailto:AHaubenstock@PerkinsCoe.com">AHaubenstock@PerkinsCoe.com</a></td>
</tr>
</tbody>
</table>
************ SERVICE LIST ************

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Jason Perkins
EMAIL ONLY
EMAIL ONLY CA 00000
jperk17@stanford.edu

Henry W. Pielage, P.E.
Ratepayer Advocate
2860 GLEN CANYON ROAD
SANTA CRUZ CA 95060
henrypielage@comcast.net

Marie Pieniazek
1328 BOZENKILL ROAD
DELANSON NY 12053
(518) 895-5216
mpieniazek@drenergyconsulting.com

Michael S. Hindus
PILLSBURY WINTHROP SHAW PITTMAN LLP
4 EMBARCADERO CENTER, FLR 22
SAN FRANCISCO CA 94111-5998
(415) 983-1000
michael.hindus@pillsburylaw.com

John S. Friderichs
Director - Origination & Development
PILOT POWER GROUP, INC.
8910 UNIVERSITY CENTER LANE, STE. 520
SAN DIEGO CA 92122
(858) 678-0118 X-105
JFriderichs@pilotpowergroup.com
For: Appendix D

Lisa Weinzimer
PLATTS MCGRAW-HILL
695 NINTH AVENUE, NO. 2
SAN FRANCISCO CA 94118
(415) 387-1025
lisa_weinzimer@platts.com

Andra Pligavko
EMAIL ONLY
EMAIL ONLY CA 00000
akp.servicelist@gmail.com

Paul Stith
Legislative & Policy Advocate
PLUG IN AMERICA
2370 MARKET ST., STE. 419
SAN FRANCISCO CA 94114
(415) 323-3329
cpuc-afvoir@pluginamerica.org

Sharalyn S. Conner
Associate General Counsel
PLUG POWER INC.
968 ALBANY SHAKER ROAD
LATHAM NY 12110
(518) 738-0136

Corby Gardner
Energy Services Manager
PLUMAS SIERRA RURAL ELECTRIC COOP.
73233 STATE RT 70
PORTOLA CA 96122-7069
(530) 832-6034
cgardner@psrec.coop

General Manager
PLUMAS SIERRA RURAL ELECTRIC COOP. (908)
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 832-4261
proceedings@psrec.coop

Ka-Wing Maggie Poon
GO1, QUAD 2B

- 90 -
*********** SERVICE LIST ***********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NoPost

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 6ETAL:

-- EMAIL ONLY --

CA 00000
(415) 277-1511
elaine.s.kwei@pjc.com

John R. Pitts, Jr.
EMAIL ONLY
EMAIL ONLY CA 00000
jpittsir@pcgconsultants.com

-- 2244 WALNUT GROVE AVE. --

ROSEMEAD CA 91770
(626) 302-1527
ka-wing.poon@sce.com

Sharon K. Noell
PORTLAND GENERAL ELECTRIC COMPANY
121 SW SALMONT ST.
PORTLAND OR 97204
(503) 464-7003
sharon.noell@pgn.com

Russell Neal
POWER INNOVATION CONSULTANTS LLC
16342 WILDFIRE CIRCLE
HUNTINGTON BEACH CA 92649-2539
(714) 316-6179
RussNeal@ieee.org

John D. Blair
POWER-ONE RENEWABLE SOLUTIONS, LLC
740 CALLE PLANO
CAMRILLO CA 93012
(510) 375-6066
john.blair@power-one.com

Robert P. White, Jr.
Dir - Product Compliance
POWER-ONE, INC.
3201 E. HARBOUR DRIVE
PHOENIX AZ 85042
(480) 643-1878
robert.white@power-one.com

Michael Althoff
POWERGETICS, INC.
100 ROLLINS RD.
MILLBRAE CA 94030-3115
(804) 873-7853
michael.althoff@powergetics.com

Ryan Mcgraw
General Counsel
POWERWORKS WIND TURBINES LLC
15850P JESS RANCH ROAD
TRACY CA 95377
(925) 455-7251

Tracy Porter
PREMIERE SOLUTIONS, LLC
4695 CHABOT DRIVE, STE. 200
PLEASANTON CA 94588
(925) 467-1000
Tracy@Premieresolutionsllc.com

Joann Trout
PRIMUS POWER CORP.
3967 TRUST WAY
HAYWARD CA 94545
(510) 342-7666
cpuc@primuspower.com

Tom Stepien
PRIMUS POWER CORPORATION
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 342-7602
cpuc@primuspower.com

Steve Taber
PRINCETON ENERGY GROUP
860 BUTTERFIELD
SAN ANSELMO CA 94960
(415) 457-1848
Taber@PrincetonEnergy.net

Darren Hammell
PRINCETON POWER SYSTEMS
3175 PRINCETON PIKE
LAWRENCEVILLE NJ 08648
(609) 955-5390
DHammell@PrincetonPower.com
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG

R1408013 N0POST

RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Troy Helming
PRISTINE SUN LLC
649 MISSION ST., 5TH FLR.
SAN FRANCISCO CA 94105
(415) 848-8146
troy.helming@pristinesun.com

John Proctor
PROCTOR ENGINEERING GROUP, LTD
418 MISSION AVENUE
SAN RAFAEL CA 94901
(415) 451-2480
john@proctoreng.com

David A. Peffer, Esq.
Attorney
PROTECT OUR COMMUNITIES FOUNDATION
4452 PARK BLVD., STE. 209
SAN DIEGO CA 92116
david.a.peffer@gmail.com

Eric Mccarthy
PROTERRA INC.
1 WHITLEE COURT
GREENVILLE SC 29607
(864) 214-2668
emccarthy@proterra.com

Michael Ten Eyck
RANCHO CUCAMONGA MUNICIPAL UTILITY
10500 CIVIC CENTER DRIVE
RANCHO CUCAMONGA CA 91730
(909) 477-2740
fred.lyn@cityofrc.us

Ron Binz
PUBLIC POLICY CONSULTING
333 EUDORA
DENVER CO 80220-5721
rbinz@rbinz.com

Richard W. Raushenbush
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(415) 518-7887
r.raushenbush@comcast.net

Peter Cavan
PULSE ENERGY
EMAIL ONLY
EMAIL ONLY BC 000 000
CANADA
(778) 331-5014
peter.cavan@pulseeenergy.com

Donald W. Schoenbeck
RCS, INC.
3426 SE CRYSTAL SPRINGS BLVD
PORTLAND OR 97202
(360) 737-3877
dws@r-c-s-inc.com

Karen Dzienkowski
PVT SOLAR, INC.,
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 809-3245

Jim Ross
RCS, INC.
500 CHESTERFIELD CENTER, SUITE 320
CHESTERFIELD MO 63017
(314) 530-9544
jimross@r-c-s-inc.com
kdziekowsk@pvtsolar.com

Matthew Kober
PYRAMID SOLAR INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(530) 305-0565
mkober@pyramidsolar.com

Dean R. Brenner
QUALCOMM INCORPORATED
1730 PENNSYLVANIA AVE., N.W., STE. 850
WASHINGTON DC 20006
(202) 263-0020
dbrenner@qualcomm.com

Allan Rago
QUALITY CONSERVATION SERVICES, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(909) 445-0450
arago@qcsca.com

Scott J. Rafferty
1913 WHITECLIFF CT.
WALNUT CREEK CA 94596
(202) 380-5525
rafferty@gmail.com

Kevin D. Best
REAL ENERGY, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(707) 944-2400 X109
KBest@RealEnergy.com

Michael Kerkorian
REAL POWER LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(310) 459-3872
michael@realpowerllc.com

Enjamin Peters
REC SOLAR
EMAIL ONLY
EMAIL ONLY CA 00000
(805) 704-5190
bpeters@recsolar.com

Beaudry Kock
Vp - Smart Grid
RECARGO INC.
1015 ABBOT KINNEY BLVD.
VENICE CA 90291
(310) 450-3333
publicaffairs@recargo.com

Gopal Shanker
RECOLTE ENERGY
410 LAFATA STREET, SUITE 102
ST. HELENA CA 94574
(707) 480-1960
gopal@recolteenergy.com

Andre Devilbiss
Associate, Development
RECURRENT ENERGY
300 CALIFORNIA STREET, 8TH FLOOR
SAN FRANCISCO CA 94104
(415) 501-9521
andre.devilbiss@recurrentenergy.com

Ben Griffiths
Research Assistant
RESOURCE INSIGHT
5 WATER STREET
ARLINGTON MA 02476
(781) 646-1505 X-203
bgriffiths@resourceinsight.com

Paul Chernick
RESOURCE INSIGHT
5 WATER ST.
ARLINGTON MA 02476
(781) 646-1505 X207
pchernick@resourceinsight.com

Dan Patry
Manager Of Policy Initiatives

Ben Griffiths
Research Assistant
RESOURCE INSIGHT
5 WATER STREET
ARLINGTON MA 02476
(781) 646-1505 X-203
bgriffiths@resourceinsight.com

Paul Chernick
RESOURCE INSIGHT
5 WATER ST.
ARLINGTON MA 02476
(781) 646-1505 X207
pchernick@resourceinsight.com

Susan Geller
Senior Research Associate
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

RECURRENT ENERGY
300 CALIFORNIA STREET, 8TH FLOOR
SAN FRANCISCO CA 94123
(415) 675-1505
dan.patry@recurrentenergy.com
Richard Munson
RECYCLED ENERGY DEVELOPMENT
640 QUAIL RIDGE DRIVE
WESTMONT IL 60559
(630) 590-6030
DMunson@recycled-energy.com
Elizabeth Hadley
REDDING ELECTRIC UTILITY
EMAIL ONLY
EMAIL ONLY CA 00000
(530) 339-7327
ehadley@reupower.com
L. Jan Reid
3185 GROSS ROAD
SANTA CRUZ CA 95062
(831) 476-5700
janreid@coastecon.com
Sandra Reisman
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 496-5677
sreisman@sungevity.com
James K. Stevens
Members
RENEWABLE ENERGY PARTNERS, LLC
13217 JAMBOREE ROAD, NO. 545
TUSTIN CA 92782
(714) 544-0749
jk.stevens@cox.net
Lisa Bond
RICHARDS WATSON GERSHON
355 SOUTH GRAND AVE., 40TH FLOOR
LOS ANGELES CA 90071
(213) 626-8484
lbond@rwglaw.com
Toussaint S. Bailey

RESOURCE INSIGHT
5 WATER ST.
ARLINGTON MA 02476
(781) 646-1505
sgeller@resourceinsight.com
Alicia R. Petersen
RHOADS & SINON LLP
ONE SOUTH MARKET SQUARE, PO BOX 1146
HARRISBURG PA 17108
(717) 233-5731
apetersen@rhoads-simon.com
Monica S. Iino
RHOADS & SINON LLP
M&T BUILDING
ONE SOUTH MARKET SQUARE, PO BOX 1146
HARRISBURG PA 17108
(717) 237-6774
miino@rhoads-simon.com
Scott H. Debroff
RHOADS & SINON LLP
ONE SOUTH MARKET SQUARE, PO BOX 1146
HARRISBURG PA 17108-1146
(717) 233-5731
sdebroff@rhoads-simon.com
Kyle Brochard
RICHARDS WATSON GERSHON
355 SOUTH GRAND AVENUE, 40TH FLOOR
LOS ANGELES CA 90071-3101
(213) 626-8484
kbrochard@rwglaw.com
Sue Mara
Consultant
RTO ADVISORS, LLC
164 SPRINGDALE WAY
REDWOOD CITY CA 94062
(415) 902-4108
sue.mara@RTOadvisors.com
RICHARDS WATSON GERSHON
355 SOUTH GRAND AVE., 40TH FLOOR
LOS ANGELES CA 90071-3101
(213) 626-8484
kbailey@reglaw.com

Kim L. Johnson
Evp And Agent
RIVERBANK PUMPED STORAGE, LLC
2000 S. OCEAN BLVD., STE. 703
DELRAY BEACH FL 33483
(561) 330-7974
kimjohnson@ebarton.com

Chester A. Roaman
1180 DE HARO
SAN FRANCISCO CA 94107
(415) 695-9497
croaman@ccsf.edu

Benjamin J. Kallo
Vp - Clean Technology Research
ROBERT W. BAIRD & CO.
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 364-3345
BKallo@rwbaird.com

Lisa Romney
ROCKEY MOUNTAIN POWER
EMAIL ONLY
EMAIL ONLY UT 00000
(801) 220-4425
lisa.romney@pacificorp.com

Michael S. Day
Principal
ROCKWOOD CONSULTING
2701 2ND AVE.
SACRAMENTO CA 95818
(916) 416-2250
michael@rockwood-consulting.com

Thomas Roberts
Office of Ratepayer Advocates
RM. 4108
505 Van Ness Avenue
San Francisco CA 94102 3298
(415) 703-5278
tcr@cpuc.ca.gov

Anglea Patane
S.F. PUC POWER ENTERPRISE
525 GOLDEN GATED AVE.
SAN FRANCISCO CA 94102-3220
(415) 551-4318
APatane@sfwater.org

Lori A. Glover
President
S.O.L.I.D. USA, INC.
10645 N. TATUM BLVD., SUITE 200-306
PHOENIX AZ 85028
(602) 677-5741
lglover@solidsolar.com

Timothy N. Tutt
SACRAMENTO MUNICIPAL UTILITIES DISTRICT
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 732-5038
ttutt@smud.org

Jim Parks
Program Mgr.
SACRAMENTO MUNICIPAL UTILITY DIST.
6301 S STREET, A190
SACRAMENTO CA 95817-1899
(916) 732-5252
Jim.parks@smud.org

Alexandra Crawford
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6301 S STREET, MS A353
SACRAMENTO CA 95817
(916) 732-5676
acrawf1@smud.org
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Jim Barnett
SACRAMENTO MUNICIPAL UTILITY DISTRICT
PO BOX 15852, MS A203
SACRAMENTO CA 95852-1803
(916) 732-6762
jbarnet@smud.org

Lourdes Jimenez-Price
Office Of The General Counsel
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6201 S STREET, MS B406, PO BOX 15830
SACRAMENTO CA 95817-1899
(916) 732-6441
Lourdes.Jimenez-Price@SMUD.org

Rachel Huang
SACRAMENTO MUNICIPAL UTILITY DISTRICT
PO BOX 15852, MS A353
SACRAMENTO CA 95852-1803
(916) 732-6930
rhuang@smud.org

Stephen Frantz
SACRAMENTO MUNICIPAL UTILITY DISTRICT
PO BOX 15852, MS A353
SACRAMENTO CA 95852-1803
(916) 732-5107
sfrantz@smud.org

Vicky Zavattiero
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6301 S STREET, MS A190
SACRAMENTO CA 95817-1899
(916) 732-5483
vzavatt@smud.org

Vikki Wood
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6301 S STREET, MS A204
SACRAMENTO CA 95817-1899
(916) 732-6278
vwood@smud.org

Wade Hughes
SACRAMENTO MUNICIPAL UTILITY DISTRICT
PO BOX 15852, MS A203
SACRAMENTO CA 95852-1803
(916) 732-5858
whughes@smud.org

William W. Westerfield, II
Senior Attorney
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6201 S STREET, MS B406
SACRAMENTO CA 95817
(916) 732-7107
wwester@smud.org

David Schneider
SAFEPLUG
EMAIL ONLY
EMAIL ONLY CA 00000
(310) 994-0272
david.eaglefan@gmail.com

Jennifer M. Urban
Assist Clinical Professor Of Law
SAMUELSON LAW, TECH & PUBLIC POLICY
UC-BERKELEY SCHOOL OF LAW
585 SIMON HALL
BERKELEY CA 94720-7200
(510) 642-7338
jurban@law.berkeley.edu

Michael Shames
SAN DIEGO CONSUMERS’ ACTION NETWORK
6975 CAMINO AMERO
SAN DIEGO CA 92111
(619) 393-2224
michael@sandiegocan.org

Kelley Gage
SAN DIEGO COUNTY WATER AUTHORITY
4677 OVERLAND AVENUE
SAN DIEGO CA 92123
(858) 522-6763
kgage@sdcwa.org

Nuo Tang
SAN DIEGO GAS & ELECTRIC
8315 CENTURY PARK COURT, CP21D
SAN DIEGO CA 92123
(858) 654-1818
NTang@SempraUtilities.com

For: Appendix D

Randy Nicholson
SAN DIEGO GAS & ELECTRIC
8330 CENTURY PARK COURT, CP32H
SAN DIEGO CA 92123

- 96 -
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

(858) 654-3567
RNicholson@SempraUtilities.com

Joy C. Yamagata
Regulatory Manager
SAN DIEGO GAS & ELECTRIC / SOCALGAS
8330 CENTURY PARK COURT, CP 32 D
SAN DIEGO CA 92123-1530
(858) 654-1755
JYamagata@SempraUtilities.com

Carol Manson
SAN DIEGO GAS & ELECTRIC CO.
8330 CENTURY PARK COURT CP32D
SAN DIEGO CA 92123-1530
(858) 650-4119
CManson@SempraUtilities.com

Aimee Smith
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ-12
SAN DIEGO CA 92101
(619) 699-5042
amsmith@semprautilities.com

Allen K. Trial
Attorney
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ-12B
SAN DIEGO CA 92101
(619) 699-5162
ATrial@SempraUtilities.com

Alvin S. Pak
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12C
SAN DIEGO CA 92101-3017
(619) 696-2190
APak@SempraUtilities.com

Ana Garza-Beutz
SAN DIEGO GAS & ELECTRIC COMPANY
8315 CENTURY PARK CT., CP21D
SAN DIEGO CA 92123
(858) 637-3760

Central Files
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT, CP31-E
SAN DIEGO CA 92123-1530
(858) 654-1852
CentralFiles@SempraUtilities.com

Christopher Summers
Regulatory Case Admin.
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO CA 92123
(858) 637-7917
CSummers@SempraUtilities.com

Chuck Manzuk
Dir. - Rates & Revenue Requirements
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT, CP32D
SAN DIEGO CA 92123-1530
(858) 654-1782
CManzuk@SempraUtilities.com

Cynthia Fang
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32E
SAN DIEGO CA 92123-1530
cfang@semprautilities.com

David Barker
SAN DIEGO GAS & ELECTRIC COMPANY
8306 CENTURY PARK COURT
SAN DIEGO CA 92123
(858) 654-1865
DBarker@SempraUtilities.com

Dean A. Kinports
Regulatory Case Administrator
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT., CP32D
SAN DIEGO CA 92123-1530
(858) 654-8679
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006ETAL;

AGarza-Beutz@semprautilities.com

Athena Besa
SAN DIEGO GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 202-9986
ABesa@SempraUtilities.com

DAKinports@semprautilities.com

Despina Niehaus
Regulatory Case Mgr.
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO CA 92123-1530
(858) 654-1714
DNiehaus@SempraUtilities.com

Hannon Rasool
Admin. - Calif. Regulatory Affairs
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT. CP32D
SAN DIEGO CA 92123
(858) 654-1590
HRasool@SempraUtilities.com

Laura Earl
Sr. Counsel - Regulatory
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET
SAN DIEGO CA 82101
(619) 696-4287
Learl@SempraUtilities.com

James F. Walsh
Attorney
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12B / PO BOX 1831
SAN DIEGO CA 92101-3017
(619) 699-5022
JFWalsh@SempraUtilities.com

Lisa Olson
SAN DIEGO GAS & ELECTRIC COMPANY
8315 CENTURY PARK COURT, CP21D
SAN DIEGO CA 92123
(858) 650-6182
EOlson@SempraUtilities.com

Jamie K. York
Regulatory Case Admin.
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO CA 92123
(858) 654-1739
JYork@SempraUtilities.com

Parina P. Parikh
Regulatory Case Mgr.
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP 32D
SAN DIEGO CA 92123
(858) 636-5503
PParikh@SempraUtilities.com

Jonathan Newlander
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET
SAN DIEGO CA 92101
(619) 699-5047
Jnewlander@semprautilities.com

Rasha Prince
SAN DIEGO GAS & ELECTRIC COMPANY
555 WEST 5TH STREET, GT14D6
LOS ANGELES CA 90013
(213) 244-5141
RPrince@SempraUtilities.com

Joseph R. Kloberdanz
Regulatory Affairs Mgr

Rebecca W. Giles
Regulatory Case Manager
SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO GAS & ELECTRIC COMPANY
PO BOX 1831
SAN DIEGO CA 92112
(619) 696-6420

Keith W. Melville
Sr. Counsel
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ 12
SAN DIEGO CA 92101-3017
(619) 699-5039
KMelville@SempraUtilities.com

Kelly M. Foley
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12
SAN DIEGO CA 92101-3017
(619) 696-4287
KFoley@SempraUtilities.com

Thomas C. Saile
Energy Contracts Originator
SAN DIEGO GAS & ELECTRIC COMPANY
8315 CENTURY PARK COURT, CP21D
SAN DIEGO CA 92123-1548
(858) 636-5543
TCSaile@SempraUtilities.com

Thomas R. Brill
Sr Counsel & Director
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK CT., CP32E
SAN DIEGO CA 92123-1530
(858) 654-1601
TBrill@SempraUtilities.com

Todd Cahill
SAN DIEGO GAS & ELECTRIC COMPANY
8306 CENTURY PARK COURT, CP32D
SAN DIEGO CA 92123
(858) 654-1745
TCahill@SempraUtilities.com

William Fuller

8330 CENTURY PARK COURT, CP32-D
SAN DIEGO CA 92123
(858) 636-6876
RGiles@semprautilities.com

Shirley Amrany
Regulatory Case Administrator
SAN DIEGO GAS & ELECTRIC COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 650-6136
SAmrany@SempraUtilities.com

Steven C. Nelson
Attorney
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12
SAN DIEGO CA 92101-3017
(619) 699-5136
SNelson@sempra.com

Steven Moss
SAN FRANCISCO COMMUNITY POWER
2325 THIRD ST., STE. 344
SAN FRANCISCO CA 94107
(415) 626-8723
steven@sfpower.org

Fraser D. Smith
City And County Of San Francisco
SAN FRANCISCO PUBLIC UTILITIES COMM
525 GOLDEN GATE AVE., 7TH FLOOR
SAN FRANCISCO CA 94102-3220
(415) 554-1572
fsmith@sfwater.org

Michael A. Hyams
Power Enterprise-Regulatory Affairs
SAN FRANCISCO PUBLIC UTILITIES COMM
525 GOLDEN GATE AVE., 7TH FLOOR
SAN FRANCISCO CA 94102-3220
(415) 554-1590
mhyams@sfwater.org

Kathryn Gillick
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R11110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Calif. Regulatory Affairs
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, 32CH
SAN DIEGO CA 92123-1548
(858) 654-1885
WFuller@SempraUtilities.com

Steve Rahon
Dir., Tariff & Regulatory Accts
SAN DIEGO GAS & ELECTRIC COMPANY (902)
8330 CENTURY PARK COURT, CP32C
SAN DIEGO CA 92123-1548
(858) 654-1773
SRahon@SempraUtilities.com

Kathryn Smith
SAN DIEGO GAS AND ELECTRIC COMPANY
8306 CENTURY PARK COURT
SAN DIEGO CA 92123
(858) 654-1792
KSmith2@SempraUtilities.com

Lisa Davidson
SAN DIEGO GAS AND ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32A
SAN DIEGO CA 92123
LDavidson@SempraUtilities.com

SAN FRANCISCO PUBLIC UTILITIES COMM.
525 GOLDEN GATE AVE., 7TH FLOOR
SAN FRANCISCO CA 94102-3220
(415) 554-2487
kgillick@sfwater.org

Shaibya Dalal
Regulatory Analyst
SAN FRANCISCO PUBLIC UTILITIES COMM.
525 GOLDEN GATE AVE., 7TH FLOOR
SAN FRANCISCO CA 94102
(415) 554-1516
sdalal@sfwater.org

David Orth
SAN JOAQUIN VALLEY POWER AUTHORITY
ADMIN OFF @KINGS RIVER CONSERV DISTRICT
4886 EAST JENSEN AVENUE
FRESNO CA 93725
(559) 237-5567
dorth@krcd.org

Greg San Martin
PO BOX 5114
BERKELEY CA 94705
gjs8@att.net

Demetra J. Mcbride
Dir. - Off. Of Sust. & Climate Action
SANTA CLARA COUNTY
70 W. HEDDING ST., E. WING, 11TH FLR.
SAN JOSE CA 95110
(408) 299-6413
demetra.mcbride@ceo.sccgov.org

Shin Tanimoto
SANYO NORTH AMERICA CORPORATION
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 861-8422
stanimoto@sna.sanyo.com

Lauren Casey
Climate Protection Rogram Manager
SCTA/RCPA
490 MENDOCINO AVE., STE. 206
SANTA ROSA CA 95401
(707) 565-5379
lcasey@sctainfo.org

William R. Mowry
SD COUNTRY ESTATES HOMEOWNERS ASSOC.
26194 BELLEMORE DRIVE
RAMONA CA 92065
(760) 789-8999
mowrysswr@cox.net

- 100 -
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lena Luna</td>
<td></td>
<td>SBESC</td>
<td>20285 S. WESTERN AVE., STE. 100 TORRANCE CA 90501</td>
<td>(424) 271-4687</td>
<td><a href="mailto:lena@sbesc.com">lena@sbesc.com</a></td>
</tr>
<tr>
<td>Phillip Muller</td>
<td></td>
<td>SCD ENERGY SOLUTIONS</td>
<td>436 NOVA ALBION WAY SAN RAFAEL CA 94903</td>
<td>(415) 479-1710</td>
<td><a href="mailto:philm@scdenergy.com">philm@scdenergy.com</a></td>
</tr>
<tr>
<td>Dell Jones</td>
<td>Manager Solution Architecture-Solar</td>
<td>SCHNEIDER ELECTRIC</td>
<td>20751 GROVELINE CT. ESTERO FL 33928 (904) 891-3355</td>
<td></td>
<td><a href="mailto:dell.jones@scheider-electric.com">dell.jones@scheider-electric.com</a></td>
</tr>
<tr>
<td>Taylor Hollis</td>
<td></td>
<td>SCHNEIDER ELECTRIC</td>
<td>250 S. VASCO DRIVE LIVERMORE CA 94551</td>
<td>(925) 245-5425</td>
<td><a href="mailto:taylor.hollis@scheider-electric.com">taylor.hollis@scheider-electric.com</a></td>
</tr>
<tr>
<td>William L. Scott</td>
<td></td>
<td></td>
<td>6895 EXETER DRIVE OAKLAND CA 94611</td>
<td>(408) 219-3021</td>
<td><a href="mailto:wllscott@earthlink.net">wllscott@earthlink.net</a></td>
</tr>
<tr>
<td>Shawn Bailey</td>
<td>Director - Planning &amp; Analysis</td>
<td>SEMPRA U.S. GAS AND POWER</td>
<td>101 ASH STREETA SAN DIEGO CA 92101-3017</td>
<td>(619) 696-2962</td>
<td></td>
</tr>
<tr>
<td>Annlyn M. Faustino</td>
<td>Regulatory Case Analyst &amp; Support</td>
<td>SDG&amp;E/SCGC</td>
<td>8330 CENTURY PARK COURT, CP31E SAN DIEGO CA 92123</td>
<td>(858) 654-1148</td>
<td><a href="mailto:afaustino@semprautilities.com">afaustino@semprautilities.com</a></td>
</tr>
<tr>
<td>Harold Galicer</td>
<td></td>
<td>SEAKAY, INC.</td>
<td>PO BOX 78192 SAN FRANCISCO CA 94107</td>
<td>(415) 710-0144</td>
<td><a href="mailto:harold@seakayinc.org">harold@seakayinc.org</a></td>
</tr>
<tr>
<td>Allen Seligson</td>
<td></td>
<td></td>
<td>13075 OLD WINERY ROAD POWAY CA 92064</td>
<td>(760) 505-5103</td>
<td><a href="mailto:allenseligson@yahoo.com">allenseligson@yahoo.com</a></td>
</tr>
<tr>
<td>Kari Kloberdanz-Yu</td>
<td>Regulatory Relations Manager</td>
<td>SEMPRA ENERGY UTILITIES</td>
<td>601 VAN NESS AVE., STE. 2060 SAN FRANCISCO CA 94102</td>
<td></td>
<td><a href="mailto:kkloberdanz@semprautilities.com">kkloberdanz@semprautilities.com</a></td>
</tr>
<tr>
<td>Daniel A. King</td>
<td></td>
<td>SEMPRA U.S. GAS &amp; POWER, LLC</td>
<td>101 ASH STREET, HQ-15B SAN DIEGO CA 92101</td>
<td>(619) 696-4350</td>
<td><a href="mailto:daking@semprausgp.com">daking@semprausgp.com</a></td>
</tr>
<tr>
<td>James A. Wells II</td>
<td>Dir - Engineering</td>
<td>SHOREBREAK ENERGY DEVELOPERS, LLC</td>
<td>1 PETERS CANYON RD., STE. 110 IRVINE CA 92606</td>
<td>(949) 502-0803</td>
<td></td>
</tr>
</tbody>
</table>
Michael Weissman
SIGMA DESIGNS, INC.
1778 MCCARTHY BLVD.
MILPITAS CA 95035
(925) 200-1047
michael_w@copper-gate.com

Michael E. Carboy
SIGNAL HILL CAPITAL LLC
300 D. LOMBARD ST., STE. 1700
BALTIMORE MD 21202-3243
mcarboy@signalhill.com

Francesca Wahl
Energy & Environmental Associate
SILICON VALLEY LEADERSHIP GROUP
2001 GATEWAY PLACE, STE. 101E
SAN JOSE CA 95110
(408) 501-7871
fwahl@svlg.org

Jessica Zenk
SILICON VALLEY LEADERSHIP GROUP
2001 GATEWAY PLACE, SUITE 101E
SAN JOSE CA 95110
(408) 501-7851
jzenk@svlg.org

Tim Mcrae
SILICON VALLEY LEADERSHIP GROUP
2001 GATEWAY PLACE, STE. 101 E
SAN JOSE CA 95110
(408) 501-7864
TMcRae@svlg.org

Jan Pepper
Electric Div., Mgr.
SILICON VALLEY POWER
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 615-6679
jpepper@svpower.com

Michael Jung
Policy Director
SILVER SPRING NETWORKS
555 BROADWAY STREET
REDWOOD CITY CA 97063
(503) 360-3881

Adam Foltz
SILVERADO POWER LLC
2 EMBARCADERO CENTER, STE. 410
SAN FRANCISCO CA 94111
(415) 692-7578
foltz@silveradopower.com

Hans Isern
Vp - Engineering
SILVERADO POWER LLC
44 MONTGOMERY STREET, SUITE 3065
SAN FRANCISCO CA 94104
(415) 692-7575
hans@silveradopower.com

Charles Silverman
Founder & Principal
SILVERMAN & LIGHT, INC.
1201 PARK AVE., STE. 100
EMERYVILLE CA 94608
(510) 655-1200
chuck@silvermanlight.com

Pearce Hammond
SIMMONS & COMPANY
700 LOUISIANA, STE 1900
HOUSTON TX 77002
(713) 546-7227
phammond@simmonsco-intl.com

Burt Y. Chao
Institutional Research
SIMMONS & COMPANY INTERNATIONAL
EMAIL ONLY
EMAIL ONLY TX 00000
(512) 657-4641
bchao@simmonsco-intl.com

Justin Segall
Founder & Executive Vice President
SIMPLE ENERGY
1215 SPRUCE ST., STE. 301
BOULDER CO 80302-4839
(303) 953-4831
justin@SimpleEnergy.com

Adam Block
Manager, Regulatory Affairs
SIMPLE ENERGY, INC.
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-
OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200
6ETAL;

michael.jung@silverspringnet.com 1215 SPRUCE STREET, STE. 301
BOULDER CO 80304 (303) 953-4732
adam@simpleenergy.com

Zyg Kunczynski
Vp Of Bus. Development
SISYAN LLC
EMAIL ONLY
EMAIL ONLY NV 00000
(925) 451-5372
zyg@sisyan.com

Steve Kromer
SKEE
3110 COLLEGE AVENUE, APT 12
BERKELEY CA 94705
(510) 655-1492
jskromer@gmail.com

Mr. Robin Dutta
Dir Of Govn’T Affairs
SKYLINE INNOVATIONS
1606 20TH STREET, NW, 2ND FLOOR
WASHINGTON DC 20009
(202) 719-5297
rdutta@SkylineInnovations.com

John Kilkenny
SKYWATCH ENERGY
365 E. MIDDLEFIELD ROAD
MOUNTAIN VIEW CA 94043
(650) 230-2411
matthew.kilkenny@skywatchenergy.com

James R. Crossen, Esq.
JOSHUA HICKMAN
SMA SOLAR TECHNOLOGY AMERICA, LLC
6020 WEST OAKS BLVD., STE. 300
ROCKLIN CA 95765

Hank Ryan
Executive Dir.
SMALL BUSINESS CALIFORNIA (SB CALIF.)
750 - 47TH AVE., NO. 56

Nadia Aftab
SOCALGAS/SDG&E
555 W. FIFTH STREET (GT14D6)
LOS ANGELES CA 90013
(213) 244-4843
Naftab@semprautilities.com

Sanjay Ranchod
SOLAR CITY
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 332-0453
sranchod@solarcity.com

Tracy Tsui
SOLAR EDGE TECH
7710 BALBOA AVE., SUITE 218-B
SAN DIEGO CA 92111
(858) 278-5299
crai@edgeechsolar.com

Ruth Hupart
SOLAR ELECTRIC POWER ASSOCIATION
1220 19TH STREET, NW, STE. 800
WASHINGTON DC 20036
(202) 559-2032
rhupart@solarelectricpower.org

Sara Birmingham
Director - Western Policy
SOLAR ENERGY INDUSTRIES ASSOCIATION
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 385-7240
SBirmingham@seia.org

Steve Zuretti
Manager, California
SOLAR ENERGY INDUSTRIES ASSOCIATION
EMAIL ONLY
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200 6ETAL:

CAPITOLA CA 95010
(510) 459-9683
hankryan2003@yahoo.com

Tanya Derivi
SO. CALIFORNIA PUBLIC POWER AUTHORITY
915 L STREET, STE. 1410
SACRAMENTO CA 95814
(916) 440-0870
tderivi@scppa.org

EMAIL ONLY CA 00000
(323) 400-9715
SZuretti@seia.org

Nicole Santos
SOLAR POWER PARTNERS, INC.
80 E SIR FRANCIS DRAKE BLVD., STE. 2A
LARKSPUR CA 94939-1709
(415) 389-8981
nsantos@solarpowerpartners.com

Andy Schwartz
SOLARCITY
3055 CLEARVIEW WAY
SAN MATEO CA 94402
(650) 963-3879
aschwartz@solarcity.com

Daniel Chia
Dir.
SOLARCITY
3055 CLEARVIEW WAY
SAN MATEO CA 94402
(650) 332-0452
dchia@solarcity.com

Eric Carlson
SOLARCITY
3055 CLEARVIEW WAY
SAN MATEO CA 94402-3709
(503) 994-9840
ecarlson@solarcity.com

Jeff Palmer
SOLARCITY
6334 ARIZONA PL
LOS ANGELES CA 90045-1251
(310) 895-6595
jpalmersolarcity.com

John M. Stanton
Vp - Gov’T Affairs

Kelly Desy
SOLFOCUS, INC.
1841 ZANKER RD.
SAN JOSE CA 95112-4213
(650) 623-7262
kelly_desy@solfocus.com

Mary Hoffman
SOLUTIONS FOR UTILITIES, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(760) 724-4420
maryhoffmanRE@gmail.com

Jan Mcfarland
SONIC
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 346-7578
janmcfar@sonic.net

Preston Booker
SONOMA ENERGY MANAGEMENT
643 WRIGHT STREET
SANTA ROSA CA 95404
(707) 799-3216
preston@sonomaenergymgmt.com

Jeff Shields
Utility Systems Director
SOUTH SAN JOAQUIN IRRIGATION DISTRICT
**SERVICE LIST**

Last Updated on 19-AUG-2014 by: JVG

R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200

ETAL:

- SOLARCITY CORPORATION
  - EMAIL ONLY
  - EMAIL ONLY CA 00000
  - (650) 963-5100
  - jstanton@solarcity.com

- Adam Green
  - SOLARRESERVE, LLC
  - 2425 OLYMPIC BLVD., STE. 500E
  - SANTA MONICA CA 90404
  - (310) 315-2272
  - adam.green@solarreserve.com

- David E Mcfeely
  - Director Of Grants And Awards
  - SOLARTECH
  - 3081 ZANKER ROAD
  - SAN JOSE CA 95134-2127
  - (408) 227-3112
  - dmcfeely@solartech.org

- Larry R. Cope
  - MIKE MONTOYA
  - Attorney At Law
  - SOUTHERN CALIFORNIA EDISON
  - PO BOX 800, 2244 WALNUT GROVE AVENUE
  - ROSEMEAD CA 91770
  - (626) 302-2570
  - larry.cope@sce.com

- Mark S. Martinez
  - SOUTHERN CALIFORNIA EDISON
  - 6060 IRWINDALE AVE., SUITE J
  - IRWINDALE CA 91702
  - (626) 602-4223
  - mark.s.martinez@sce.com

- Aileen M. Lagbao
  - SOUTHERN CALIFORNIA EDISON COMPANY
  - 2244 WALNUT GROVE AVE.
  - ROSEMEAD CA 91770
  - (626) 302-0572
  - aileen.lagbao@sce.com

- 11011 E. HWY 120
  - MANTECA CA 95336
  - (209) 249-4645
  - jshields@ssjid.com

- Carl Silsbee
  - SOUTHERN CALIFORNIA EDISON
  - GOI, RP&A
  - 2244 WALNUT GROVE AVENUE
  - ROSEMEAD CA 91770
  - (626) 302-1708
  - carl.silsbee@sce.com

- David Reed
  - SOUTHERN CALIFORNIA EDISON
  - EMAIL ONLY
  - EMAIL ONLY CA 00000
  - (626) 637-3428
  - david.reed@sce.com

- Larry R. Cope
  - MIKE MONTOYA
  - Attorney At Law
  - SOUTHERN CALIFORNIA EDISON
  - PO BOX 800, 2244 WALNUT GROVE AVENUE
  - ROSEMEAD CA 91770
  - (626) 302-2570
  - larry.cope@sce.com

- Carol Schmid-Frazee
  - SOUTHERN CALIFORNIA EDISON COMPANY
  - 2244 WALNUT GROVE AVE.
  - ROSEMEAD CA 91770
  - (626) 302-1337
  - schmidca@sce.com

- Case Administration
  - SOUTHERN CALIFORNIA EDISON COMPANY
  - 2244 WALNUT GROVE AVE. / PO BOX 800
  - ROSEMEAD CA 91770
  - (626) 302-4875
  - case.admin@sce.com

- Cindy Jacobs
  - SOUTHERN CALIFORNIA EDISON COMPANY
  - 2244 WALNUT GROVE AVE. / PO BOX 800
  - ROSEMEAD CA 91770
  - Cindy.Jacobs@sce.com

- Cynthia Childs
  - Case Administrator
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

Amanda Klopf
SOUTHERN CALIFORNIA EDISON COMPANY
PO BOX 800/2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
amanda.klopf@sce.com

Andrea Horwatt
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770
(626) 302-1824
andrea.horwatt@sce.com

Andrea Tozer
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE./PO BOX 800
ROSEMEAD CA 91770
Andrea.Tozer@sce.com

Anna Ching
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
anna.ching@sce.com

Ariel Lin
SOUTHERN CALIFORNIA EDISON COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
ariel.lin@sce.com

David Leblond
SOUTHERN CALIFORNIA EDISON COMPANY
8631 RUSH STREET
ROSEMEAD CA 91770
(626) 302-9443
david.leblond@sce.com

David P. Lowrey
Regulatory Policy & Affairs
SOUTHERN CALIFORNIA EDISON COMPANY
1515 WALNUT GROVE AVE.
ROSEMEAD CA 91770
(626) 302-0973
David.Lowrey@sce.com

Douglas Porter
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE./PO BOX 800
ROSEMEAD CA 91770
(626) 302-3964
douglas.porter@sce.com

Elizabeth Leano
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
elizabeth.leano@sce.com
For: Appendix D

Fadia Rafeedie Khoury
Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE., PO BOX 800
ROSEMEAD CA 91770

Joni A. Templeton
Attorney At Law
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE./PO BOX 800
ROSEMEAD CA 91770
(626) 302-6210
Joni.Templeton@sce.com

Joyce Leung
SOUTHERN CALIFORNIA EDISON COMPANY
6060 J IRWINDALE AVE.
IRWINDALE CA 91702
(626) 633-4331
*********** SERVICE LIST ***********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL:

(626) 302-6008
fadia.khoury@sce.com

Gary Barsley
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE., PO BOX 800
ROSEMEAD CA 91770
(626) 302-3834
gary.barsley@sce.com

Ingrid Vigh
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
ingrid.vigh@sce.com

Janet Combs
Sr. Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770
(626) 302-1524
janet.combs@sce.com

Jennifer Tsao Shigekawa
Sr. Attorney, Customer & Tariff Law
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD CA 91770-3714
(626) 302-6819
jennifer.shigekawa@sce.com

John Hughes
Mgr - Regulatory Affairs
SOUTHERN CALIFORNIA EDISON COMPANY
601 VAN NESS AVENUE, NO. 2040
SAN FRANCISCO CA 94102
(415) 775-1856

joyce.leung@sce.com

Justin Boone
SOUTHERN CALIFORNIA EDISON COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(626) 302-5576
justin.boone@sce.com

Kris G. Vyas
JANET COMBS
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. QUAD 3-B
ROSEMEAD CA 91770
(626) 302-6613
kris.vyas@sce.com

Matthew Dwyer
Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD CA 91770
(626) 302-6521
matthew.dwyer@sce.com

Melissa A. Hovsepian
Senior Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD CA 91770
(626) 302-6054
Melissa.Hovsepian@sce.com

Michael D. Montoya
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE, PO BOX 800
ROSEMEAD CA 91770
(626) 302-6944
mike.montoya@sce.com

Michael Tomlin
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770

Shahana Samiullah
SOUTHERN CALIFORNIA EDISON COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000

- 108 -
Monica Ghattas
Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD CA 91770
(626) 302-3623
monica.ghattas@sce.com

Olivia Samad
Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770
(626) 302-6509
olivia.samad@sce.com

Rebecca Meiers-De Pastino
Sr. Attorney
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
(626) 302-6008
Rebecca.Meiers-DePastino@sce.com

Richard John Bravo
SOUTHERN CALIFORNIA EDISON COMPANY
14799 CHESTNUT STREET
WESTMINSTER CA 90247
(714) 934-0818
richard.bravo@sce.com

Russ Garwacki
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE
ROSEMEAD CA 91770
(626) 302-6673
garwacki@sce.com

Russell Garwacki
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
russell.garwacki@sce.com

Shiela Linao
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD CA 91770
(626) 302-8933
Shiela.Linao@sce.com

Tristan Reyes
SOUTHERN CALIFORNIA EDISON COMPANY
LAW DEPARTMENT
2244 WALNUT GROVE AVE., PO BOX 800
ROSEMEAD CA 91770
Tristan.ReyesClose@sce.com

Walter Gordon
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD CA 91770
walter.gordon@sce.com

Nancy Chung Allred
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD CA 91770
(626) 302-3102
Nancy.Allred@sce.com

Clay Faber
SOUTHERN CALIFORNIA GAS CO.
8330 CENTURY PARK CT., CP32D
SAN DIEGO CA 92123
(858) 654-3563
CFaber@SempraUtilities.com

Alma Mena Williamson
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH STREET, M.L. 19A7
LOS ANGELES CA 90013
(714) 244-5104
awilliamson@semprautilities.com

Andrew Steinberg
Regulatory Policy & Reporting Mgr.
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT19A7
LOS ANGELES CA 90013
(213) 244-3817
ASteinberg@SempraUtilities.com
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1100023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

Corinne M. Sierzant
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(213) 244-5354
CSierzant@semprautilities.com

Darren Hanway
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH ST., MAIL STOP GT19A7
LOS ANGELES CA 90013
(213) 244-3419
DHanway@SempraUtilities.com

Elizabeth Baires
Regulatory Affairs
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH ST., GT14D6
LOS ANGELES CA 90013
(213) 244-3364
EBaires@SempraUtilities.com

Hugh Yao
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(213) 244-3619
HYao@SempraUtilities.com

Jeffrey Salazar
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, GT14D6
LOS ANGELES CA 90013
JLSalazar@SempraUtilities.com

Kim F. Hassan
Attorney
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, GT14E7
LOS ANGELES CA 90013-1011
(213) 244-3061
KHassan@SempraUtilities.com

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

Mike Franco
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT14D6
LOS ANGELES CA 90013
mfranco@semprautilities.com

Mike Landau
Csi Thermal Program Mgr
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(213) 244-5349
MLandau@SempraUtilities.com

Rosalinda Magana
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH STREET, GT20B8
LOS ANGELES CA 90013
rmagana@semprautilities.com

Sid Newsome
Regulatory Mgr.
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, GT14D6
LOS ANGELES CA 90013-1011
(213) 244-2846
SNewsom@SempraUtilities.com

Steven D. Patrick
Attorney
SOUTHERN CALIFORNIA GAS COMPANY
555 WEST FIFTH STREET, SUITE 1400
LOS ANGELES CA 90013-1011
(213) 244-2954
SDPatrick@SempraUtilities.com

Steven Hruby
SOUTHERN CALIFORNIA GAS COMPANY
555 W. FIFTH ST., GT14D6
LOS ANGELES CA 90013
SHruby@SempraUtilities.com

Tony Catenacci
SOUTHERN CALIFORNIA GAS COMPANY
EMAIL ONLY
EMAIL ONLY CA 00000
(213) 244-2221
(213) 244-8539
layala@semprautilities.com

ACatenacci@Semprautilities.com

Edward B. Gieseking
Dir - Pricing And Tariffs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVB-100
LAS VEGAS NV 89150
(702) 364-3271
ed.gieseking@swgas.com

Kyle O. Stephens
Associate General Counsel
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVA-110
LAS VEGAS NV 89150
(702) 876-7293
kyle.stephens@swgas.com

Valerie Ontiveroz
State Regulatory Affairs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD
LAS VEGAS NV 89150-0002
(720) 876-7323
valerie.ontiveroz@swgas.com

Michael Rochman
Managing Director
SPURR
1850 GATEWAY BLVD., SUITE 235
CONCORD CA 94520
(925) 743-1292
Service@spurr.org

Joseph McCabe
SRA INTERNATIONAL
EMAIL ONLY
EMAIL ONLY CA 00000
(720) 380-0361
energyideas@gmail.com

Jeff St. John
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 505-7175
jeffstjohn@hotmail.com

Mark F. Buckley

ACatenacci@Semprautilities.com

Edward B. Gieseking
Dir - Pricing And Tariffs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVB-100
LAS VEGAS NV 89150
(702) 364-3271
ed.gieseking@swgas.com

Kyle O. Stephens
Associate General Counsel
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVA-110
LAS VEGAS NV 89150
(702) 876-7293
kyle.stephens@swgas.com

Valerie Ontiveroz
State Regulatory Affairs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD
LAS VEGAS NV 89150-0002
(720) 876-7323
valerie.ontiveroz@swgas.com

Michael Rochman
Managing Director
SPURR
1850 GATEWAY BLVD., SUITE 235
CONCORD CA 94520
(925) 743-1292
Service@spurr.org

Joseph McCabe
SRA INTERNATIONAL
EMAIL ONLY
EMAIL ONLY CA 00000
(720) 380-0361
energyideas@gmail.com

Jeff St. John
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 505-7175
jeffstjohn@hotmail.com

Mark F. Buckley

ACatenacci@Semprautilities.com

Edward B. Gieseking
Dir - Pricing And Tariffs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVB-100
LAS VEGAS NV 89150
(702) 364-3271
ed.gieseking@swgas.com

Kyle O. Stephens
Associate General Counsel
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD, LVA-110
LAS VEGAS NV 89150
(702) 876-7293
kyle.stephens@swgas.com

Valerie Ontiveroz
State Regulatory Affairs
SOUTHWEST GAS CORPORATION
5241 SPRING MOUNTAIN ROAD
LAS VEGAS NV 89150-0002
(720) 876-7323
valerie.ontiveroz@swgas.com

Michael Rochman
Managing Director
SPURR
1850 GATEWAY BLVD., SUITE 235
CONCORD CA 94520
(925) 743-1292
Service@spurr.org

Joseph McCabe
SRA INTERNATIONAL
EMAIL ONLY
EMAIL ONLY CA 00000
(720) 380-0361
energyideas@gmail.com

Jeff St. John
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 505-7175
jeffstjohn@hotmail.com

Mark F. Buckley
********** SERVICE LIST **********

STAPLES, INC.
500 STAPLES DR.
FRAMINGTON MA 01702
(508) 253-0210
Vp - Environmental Affairs
Melissa P. Martin
STATESIDE ASSOCIATES
EMAIL ONLY
MPF@stateside.com

Cedric O. Christensen
Dir - Oper & Development
STRATEGEN CONSULTING LLC
EMAIL ONLY
CChristensen@strategen.com
Janice Lin
Managing Partner
STRATEGEN CONSULTING LLC
EMAIL ONLY
Janicelin@strategen.com
Jim Espinas
STRATEGEN CONSULTING, LLC
EMAIL ONLY
dockets@strategen.com
Eric C. Woychik
STRATEGY INTEGRATION LLC
9901 CALODEN LANE
OAKLAND CA 94605
(510) 387-5220
eric@strategyi.com

STOEL RIVES, LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(858) 794-4100
hesusman@stoel.com
Seth D. Hilton
STOEL RIVES, LLP
THREE EMBARCADERO CENTER, STE. 1120
SAN FRANCISCO CA 94111
(415) 617-8943
sdhilton@stoel.com

Brent Barkett
SUMMIT BLUE CONSULTING
1375 WALNUT ST., STE. 200
BOULDER CO 80302-5242
(720) 564-1130
bbarkett@summitblue.com
Daniel M. Violette
SUMMIT BLUE CONSULTING
1375 WALNUT ST., STE. 200
BOULDER CO 80302-5242
(720) 564-1130
dan.violette@navigantconsulting.com
Kevin Cooney
Principal/Ceo
SUMMIT BLUE CORPORATION
1375 WALNUT ST., STE. 200
BOULDER CO 80302-5242
(720) 564-1130
kcooney@summitblue.com
Bob Blackstock
SUNEDISON
EMAIL ONLY
EMAIL ONLY MD 00000
(443) 826-0419
bblackstock@sunedison.com
*************** SERVICE LIST ***************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402000 ETAL;

Adam Gerza
SULLIVAN SOLAR POWER OF CALIFORNIA, INC.
169 11TH STREET
SAN FRANCISCO CA 94103
(310) 210-2392
adam@sullivansolarpower.com

Paul Stith
SUM / PROJECT GREEN ONRAMP
5610 SCOTTS VALLEY DRIVE, NO. 454
SCOTTS VALLEY CA 95066
(831) 439-0870
paul.stith@greenonramp.com

Erica He
Manager - New Business Development
SUMITOMO ELECTRIC INDUSTRIES
2355 ZANKER ROAD
SAN JOSE CA 94303
(408) 893-9456
erica@sei-innovation.com

Curtis Seymour
Sr. Manager - Government Affairs
SUNEDISON LLC
EMAIL ONLY
EMAIL ON LY CA 00000
(443) 542-8443
cseymour@sunedison.com

Cassandra Mayall
SUNGEVITY
66 FRANKLIN ST., STE. 310
OAKLAND CA 94607-0000
(510) 740-2740
cmayall@sungevity.com

Jeffrey Blumenthal
SUNGEVITY
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 496-5587
jblumenthal@sungevity.com

Adam Pishl
SUNLIGHT PARTNERS, LLC
4215 E. MCDOWELL ROAD, STE. 212
MESA AZ 85215
(480) 924-5519
Adam@SunlightPartners.com

Mark Roberts
Dir - Program Development
SUNLIGHT PARTNERS, LLC
EMAIL ONLY
EMAIL ONLY AZ 00000
(480) 924-5519
mark.roberts@sunlightpartners.com

Julie Blunden
SUNPOWER CORPORATION
77 RIO ROBLES
SAN JOSE CA 95134-1859
(408) 240-5500

Thomas Tansy
Chairman
SUNSPEC ALLIANCE
225 NELSON ROAD
SCOTTS VALLEY CA 95066
(831) 227-1073
tom@sunspec.org

Jon Fortune
Dir. - Reg. & Energy Services
SUNVERGE ENERGY, INC.
6665 HARDAWAY ROAD
STOCKTON CA 95215
(619) 573-9357
jfortune@sunverge.com

Chris Chappell
SUNWATER
865 MARINA BAY PARKWAY, SUITE 39
RICHMOND CA 94804
************ SERVICE LIST ************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

julie.blunden@sunpowercorp.com

Holly Gordon
Vp, Legislative & Regulatory Affair
SUNRUN INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 684-9837
holly@SunrunHome.com

Walker Wright
SUNRUN INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 684-9980
WWright@SunrunHome.com

Megan Kerins
SUNRUN, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 580-6900 X6508
mkerins@sunrunhome.com

John Nunneley
Executive Director
SUNSPEC ALLIANCE
225 NELSON ROAD
SCOTTS VALLEY CA 95066
(831) 334-5567
john@sunspec.org

(850) 274-1713
ccchappell@sunwatersolar.com

Justin Weil
President
SUNWATER SOLAR INC.
865 MARINA BAY PARKWAY, SUITE 39
RICHMOND CA 94804
(510) 233-0300
justin@sunwatersolar.com

Daniel Silveria
Gen Mgr
SURPRISE VALLEY ELECTRIC CORP.
516 US HIGHWAY 395 E
ALTURAS CA 96101-4228
(916) 233-3511
dansvec@hdo.net

Rafi Hassan
SUSQUEHANNA FINANCIAL GROUP, LLLP
101 CALIFORNIA STREET, SUITE 3250
SAN FRANCISCO CA 94111
(415) 403-6531
rafi.hassan@sig.com

Bill Swearingen
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 826-1382
wpscon@yahoo.com

Erin Malone
SYNAPSE ENERGY ECONOMICS, INC.
485 MASSACHUSETTS AVE., SUITE 2
CAMBRIDGE MA 02139
(617) 453-7021
emalone@synapse-energy.com

Patrick Luckow
SYNAPSE ENERGY ECONOMICS, INC.
485 MASSACHUSETTS AVE., 2ND FL.
CAMBRIDGE MA 02139

Robert Panora
TECOGEN, INC.
45 FIRST AVENUE
WALTHAM MA 02451
(781) 466-6401

Joseph Andersen
Consultant
TELECOMMUNICATIONS INDUSTRY ASSOCIATION
EMAIL ONLY
EMAIL ONLY DC 00000
****** SERVICE LIST ******
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

EMAIL ONLY
EMAIL ONLY OR 00000
(503) 228-2992
heidiochnser@cadmusgroup.com

James Boothe
THE ENERGY COALITION
9 REBELO LANE
NOVATO CA 94947
(415) 320-0029
ja boothe@yahoo.com

Warren Mitchell
THE ENERGY COALITION
EMAIL ONLY
EMAIL ONLY CA 00000
(949) 701-4646
admin@energycoaliton.org

Jules Polonetsky
THE FUTURE OF PRIVACY FORUM
919 18TH STREET, SUITE 925
WASHINGTON DC 20006
(202) 713-9466
julespol@futureofprivacy.org

Enrique Gallardo
THE GREENLINING INSTITUTE
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 926-4017
enrique@greenlining.org

Roman Partida
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVENUE, 2ND FLOOR
BERKELEY CA 94704
(510) 898-2065
romanp@greenlining.org

Samuel S. Kang
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVENUE, SECOND FLOOR
BERKELEY CA 94704
(510) 926-4004
samuekl@greenlining.org

Stephanie C. Chen
THE GREENLINING INSTITUTE
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 898-0506

THE GREENLINING INSTITUTE
1918 UNIVERSITY AVENUE, 2ND FLOOR
BERKELEY CA 94704
(510) 926-4003
vient@greenlining.org

Vien Truong
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVE., 2ND FLR.
BERKELEY CA 94704
(510) 926-4003
vient@greenlining.org

Grey Staples
THE MENDOTA GROUP, LLC
EMAIL ONLY
EMAIL ONLY MN 00000
(651) 204-0458
GStaples@MendotaGroup.com

Erica Brand
Project Dir.
THE NATURE CONSERVANCY
201 MISSION STREET, 4TH FL.
SAN FRANCISCO CA 94105
(415) 281-0451
ebrand@tnc.org

Ramteen Sioshansi
Assist Professor
THE OHIO STATE UNIVERSITY
1971 NEIL AVE.
COLUMBUS OH 43210-1271
(614) 292-3932
Sioshansi.1@osu.edu

Laurene Park
THE PUBLIC SUSTAINABILITY PARTNERSHIP
EMAIL ONLY
EMAIL ONLY CA 00000
(916) 503-3253
laurene_park@sbcglobal.net

Bill Nusbaum
Managing Atty
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876 X-309
bnusbaum@turn.org
STEPHANIEC@greenlining.org

Hayley Goodson
Staff Attorney
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876 X360
hayley@turn.org

Marcel Hawiger
Energy Atty
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876 X311
marcel@turn.org

Matthew Freedman
THE UTILITY REFORM NETWORK
785 MARKET STREET, 14TH FL
SAN FRANCISCO CA 94103
(415) 929-8876 X-304
matthew@turn.org

Nina Suetake
Staff Attorney
THE UTILITY REFORM NETWORK
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 929-8876 X 308
nsuetake@turn.org

Robert Finkelstein
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876 X-307
bfinkelstein@turn.org

Thomas J. Long
Attorney At Law
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876
tlong@turn.org

Susannah Churchill
Solar Policy Advocate
THE VOTE SOLAR INITIATIVE
EMAIL ONLY
EMAIL ONLY CA 00000
(415) 817-5065
susannah@votesolar.org

Adam Browning
THE VOTE SOLAR INITIATIVE
101 MONTGOMERY ST., STE. 2600
SAN FRANCISCO CA 94104
(415) 817-5062
abrowning@votesolar.org

Eric G. Gimon
Technical Consultant
THE VOTE SOLAR INITIATIVE
2727 MARIN AVE.
BERKELEY CA 94708
(510) 540-8469
ericg@votesolar.org

Jim Baak
Dir - Policy For Utility-Scale Solar
THE VOTE SOLAR INITIATIVE
101 MONTGOMERY ST., STE. 2600
SAN FRANCISCO CA 94104
(415) 817-5064
jbaak@votesolar.org

Rick Gilliam
THE VOTE SOLAR INITIATIVE
1120 PEARL STREET
BOULDER CO 80302
(303) 550-3686
rick@votesolar.org

Kevin Flanagan
THINKWIRE ENERGY SERVICES, INC.
PO BOX 16015
FRESNO CA 93755
(559) 760-8982
kflanagan@thinkwirees.com
**SERVICE LIST**
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A1402006 ETAL;

Thomas Long
Legal Dir.
THE UTILITY REFORM NETWORK
785 MARKET ST., STE. 1400
SAN FRANCISCO CA 94103
(415) 929-8876 X-303
tlong@turn.org

Eric Thompson
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 606-9072
ericwt3@gmail.com

William Lyons
TIGER NATURAL GAS, INC.
EMAIL ONLY
EMAIL ONLY TX 00000
blyons@TigerNaturalGas.com

Emily Leung
TIGO ENERGY, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(408) 402-0802 X-405
emily.leung@trigoenergy.com

Jason Jones
TILT SOLAR LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 520-6440
jason.jones@tiltsolar.com

Julie P. Laine
Group Vp & Chief Counsel, Regulatory
TIME WARNER CABLE
60 COLUMBUS CIRCLE
NEW YORK NY 10023
(212) 364-8482
julie.laine@twcable.com

Colin Eykamp
TIOGA ENERGY
123 MISSION STREET, FLOOR 89
SAN FRANCISCO CA 94105-5124
(650) 288-1009
colin@tiogaenergy.com

Jordan Newman

Judith Schwartz
TO THE POINT
2330 BRYANT STREET, SUITE 2
PALO ALTO CA 94301
(650) 906-9927
judith@tothept.com

Margaret L. Tobias
TOBIAS LAW OFFICE
460 PENNSYLVANIA AVE
SAN FRANCISCO CA 94107
(415) 641-7833
info@tobiaslo.com

Cameron Brooks
TOLERABLE PLANET ENTERPRISES
3020 JEFFERSON STREET
BOULDER CO 80304
(303) 957-7667
updates@tolerableplanet.com

Kenyon Holmes
TRANE
EMAIL ONLY
EMAIL ONLY CA 00000
(626) 435-1153
kholmes@trane.com

Michael Richardson
Vp - Global Program Operations
TRANFORMATIVE WAVES
1012 CENTRAL AVE. SOUTH
KENT WA 98032
(415) 757-9331
michael.r@twavetech.com
************ SERVICE LIST ************
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A1402006ETAL;

TIOGA ENERGY
123 MISSION STREET, FLOOR 9
SAN FRANCISCO CA 94105-5124
(650) 288-1014
jordan@tiogaenergy.com

Paul Detering
TIOGA ENERGY
123 MISSION STREET, FLR. 9
SAN FRANCISCO CA 94105-5124
(650) 288-1001
paul@tiogaenergy.com

Tonja Wicks
TLW LEGAL & GOVT. SUPPORT SVCS.
5318 E. 2ND STREET, NO.703
LONG BEACH CA 90803
(202) 302-4924
tonja.wicks@tlwsupport.com

Juan Otero
Attorney At Law
TRILLIANT NETWORKS, INC.
1100 ISLAND DRIVE
REDWOOD CITY CA 94065
(650) 204-5280
juan.otero@trillianinc.com

Paul Karr
TRILLIANT NETWORKS, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(650) 203-5050
Paul.Karr@TrillianInc.com

Bob Torres
Principal / Svp Of Oper
TRINCHERO FAMILY ESTATES
100 SOUTH MAIN STREET
ST. HELENA CA 94574
(707) 963-3104
btorres@tfewines.com

David Rubin
TROUTMAN SANDERS, LLP
401 9TH STREET, N.W.
WASHINGTON DC 20004

Douglas A. Ames
Attorney At Law
TRANSPHASE SYSTEMS, INC.
4971 LOS PATOS AVENUE
HUNTINGTON BEACH CA 92649
(714) 377-4225
ames_doug@yahoo.com

Kathleen Treleven
103 BANDOL CT.
SAN RAMON CA 94582
(925) 719-3749
ktreleven@gmail.com

Jay Corrales
TURNER REAL ESTATE
EMAIL ONLY
EMAIL ONLY CA 00000
jay@trealestate.net

Craig Tyler
TYLER & ASSOCIATES
2760 SHASTA ROAD
BERKELEY CA 94708
(510) 841-8038
craigtyler@comcast.net

Morgan Lee
U-T SAN DIEGO
350 CAMINO DE LA REINA
SAN DIEGO CA 92108
(619) 293-1251
Morgan.Lee@UTSanDiego.com

Julien Dumoulin-Smith
Director
UBS INVESTMENT RESEARCH
1285 AVENUE OF THE AMERICAS
NEW YORK NY 10019
(212) 713-9848
julien.dumoulin-smith@ubs.com

- 119 -
********** SERVICE LIST **********

Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST

RESPONDENTS: PGE; SCE; SDGE; ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D); R1309011; R1311005; R1312010; R1311007; R1110023; R0812009; R1211005; R1109011; R1206013; A140200
6ETAL;

david.rubin@troutmansanders.com

Nancy Folly
TURLOCK IRRIGATION DISTRICT
PO BOX 949
TURLOCK CA 95381
(209) 883-8506
njfolly@tid.org

Steve Boyd
TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE
TURLOCK CA 95381-0949
(209) 883-8364
seboyd@tid.org

Wes Monier
Strategic Issues And Planning Manager
TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE, PO BOX 949
TURLOCK CA 95381-0949
(209) 883-8321
fwmonier@tid.org

Duane Campbell
UMASOLAR
499 EDISON CT., STE. A
FAIRFIELD CA 95434
(925) 250-8988
dcampbell@umasolar.com

Russell Weed
Vp, Bus. Development & Gen. Counsel
UNIENERGY TECHNOLOGIES, LLC
4333 HARBOUR POINTE BLVD, SW, STE. A
MUKILTEO WA 98275
(425) 404-3307
russ.weed@UETechnologies.com

David Reichmuth, Phd.
Sr. Eng’R. - Clean Vehicles Program
UNION OF CONCERNED SCIENTISTS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 809-1567
dreichmuth@ucsusa.org

Jimmy Nelson, Ph.D
Kendall Science Fellow In Electricity
UNION OF CONCERNED SCIENTISTS
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 809-1570
JNelson@ucsusa.org

Laura Wisland
Senior Energy Analyst
UNION OF CONCERNED SCIENTISTS
EMAIL ONLY
EMAIL ONY CA 00000
(510) 809-1565
lwisland@ucsusa.org

Mike Jacobs
UNION OF CONCERNED SCIENTISTS

Wilson Harris
UPSTAR ENERGY LLC
4131 CENTURION WAY
ADDISON TX 75001
(713) 487-7827
upstar.energy@gmail.com

Timothy Lipman
US DOE PACIFIC REGION CLEAN ENERGY CTR.
2150 ALLSTON WAY, SUITE 280
BERKELEY CA 94704
(510) 642-4501
telipman@berkeley.edu

Lisa C. Ward
Business Development Specialist
UTC POWER CORPORATION
195 GOVERNORS HIGHWAY

- 120 -
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200 6ETAL:

EMAIL ONLY
EMAIL ONLY CA 00000
(617) 301-8057
MJacobs@ucsusa.org

Aaron J. Burstein
UNIVERSITY OF CALIFORNIA, BERKELEY
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 642-0499
aaron.burstein@gmail.com

Andrew G. Campbell
Exec.Dir.- Energy Institute At Haas
UNIVERSITY OF CALIFORNIA, BERKELEY
2547 CHANNING WAY
BERKELEY CA 94720-5180
(415) 515-4655
acampbell@haas.berkeley.edu

Deirdre K. Mulligan
UNIVERSITY OF CALIFORNIA, BERKELEY
SCHOOL OF INFORMATION
SOUTH HALL
BERKELEY CA 94720
(510) 642-0499
dkm@ischool.berkeley.edu

James Harris
UPSTAR ENERGY LLC
4131 CENTURION WAY
ADDISON TX 75001
(972) 977-2016
upstar.energy@gmail.com

Stacie Behnke
VALLEY ELECTRIC ASSOCIATION
800 E. HWY. 372
PAHRUMP NV 89048

Jonna Anderson
VIRIDITY ENERGY
EMAIL ONLY
EMAIL ONLY MA 00000

South Windsor CT 06066
(860) 727-2127
Lisa.Ward@ClearEdgePower.com

Donald Kelly
Exe. Dir.
UTILITY CONSUMERS’ ACTION NETWORK
3405 KENYON STREET, SUITE 401
SAN DIEGO CA 92110
(619) 696-6966
don@ucan.org

Paul Kerkorian
Representative
UTILITY COST MANAGEMENT LLC
6475 N. PALM AVENUE, SUITE 105
FRESNO CA 93704
(559) 261-9230
pk@utilitycostmanagement.com

Charles R. Toca
UTILITY SAVINGS & REFUND, LLC
EMAIL ONLY
EMAIL ONLY CA 00000
(949) 474-0511 X203
cntoa@utility-savings.com

Phil Jackson
System Engineer
VALLEY ELECTRIC ASSOCIATION
800 E. HWY 372, PO BOX 237
PAHRUMP NV 89041
(775) 727-5312

Greg Krajnik
VIRIDITY ENERGY
1801 MARKET ST., STE. 2701
PHILADELPHIA PA 19103
gkrajnik@viridityenergy.com

- 121 -
Shehzad Wadalawala
1111 FRANKLIN STREET, 6TH FLOOR
OAKLAND CA 94607
Shehzad.Wadalawala@ucop.edu
For: Appendix D

Amanda Wallace
16356 VALENCE ST
NEW ORLEANS LA 70115-4837
mandywallace@gmail.com

Robin J. Walther, Ph.D.
EMAIL ONLY
EMAIL ONLY CA 00000-0000
(626) 818-7998
rwalther@pacbell.net

Chuck White
WASTE MANAGEMENT
915 L STREET, STE. 1430
SACRAMENTO CA 95814
(916) 552-5859
cwhite1@wm.com

Lon W. House, Ph.D
Acwa Energy Consultant
WATER & ENERGY CONSULTING
4901 FLYING C RD.
CAMERON PARK CA 95682
(530) 676-8956
lwhouse@innercite.com

Robert Spitzka
WATER & ENERGY MANAGEMENT CO., INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(925) 820-6603
spitzka@comcast.net

Nicholas Weber
EMAIL ONLY
EMAIL ONLY CA 00000
npwrpv@yahoo.com

Sandra Rae Benson
BARRY HINKLE
Attorney
WEINBERG, ROGER & ROSENFELD
1001 MARINA VILLAGE PKWY., STE. 200
ALAMEDA CA 94612
(510) 337-1001

Douglas E. Davie
V.P.
WELLHEAD ELECTRIC COMPANY, INC.
650 BERCUT DRIVE, STE. C
SACRAMENTO CA 95811
(916) 447-5171
ddavie@wellhead.com

Mark Wiedeman
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 496-5512
mwiedeman@sungevity.com

David Wiesner
EMAIL ONLY
EMAIL ONLY CA 00000
david@dwassociates.us

Betsy Wilkins
WILKINS COMMUNICATIONS
815 25TH AVE., NO. 204
SAN FRANCISCO CA 94121
bawilkins@sbcglobal.net

Raymond Gifford
WILKINSON, BARKER, KNAUER, LLP
1755 BALKE ST., STE. 470
DENVER CO 80202-1479
(303) 572-5644
rgifford@wbklaw.com

Leon M. Bloomfield
WILSON & BLOOMFIELD, LLP
EMAIL ONLY
EMAIL ONLY CA 00000
(510) 625-8250
lmb@wblaw.net

Sheridan J. Pauker
WILSON SONSINI GOODRICH & ROSATI
EMAIL ONLY
EMAIL ON LY CA 00000
(415) 947-2136
spauker@wsgr.com

Tim Schmelzer
Dir. - Legislative & Regulatory Affairs
WINE INSTITUTE
915 L STREET, STE. 1400
SACRAMENTO CA 95814
(916) 441-6974
********** SERVICE LIST **********
Last Updated on 19-AUG-2014 by: JVG
R1408013 NOPOST
RESPONDENTS:PGE;SCE;SDGE;ALL-LOAD-SERVING-ENTITIES-LISTED-IN-THE-COMMISSION-OFFICIAL-RECORDS(APPDX-D);R1309011;R1311005;R1312010;R1311007;R1110023;R0812009;R1211005;R1109011;R1206013;A140200
ETAL;

pucnotices@unioncounsel.net
tschmelzer@wineinstitute.org

Jerry R. Bloom
Attorney At Law
WINSTON & STRAWN LLP
333 SOUTH GRAND AVENUE, 38TH FL.
LOS ANGELES CA 90071
(213) 615-1756
jbloom@winston.com

Joseph M. Karp
Atty At Law
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO CA 94111-5894
(415) 591-1529
jkarp@winston.com

Lisa A. Cottle
Attorney
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO CA 94111
(415) 591-1579
LCottle@winston.com

Noelle R. Formosa
Attorney
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO CA 94111
(415) 591-6811
NFormosa@winston.com

Thomas W. Solomon
Attorney At Law
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO CA 94111
(415) 591-1000
tsolomon@winston.com

Nathan Murthy
Analytics Engineer
WIRELESS GLUE NETWORKS, INC.
EMAIL ONLY
EMAIL ONLY CA 00000
(925) 460-9902

Kevin Woodruff
WOODRUFF EXPERT SERVICES
1100 K STREET, SUITE 204
SACRAMENTO CA 95814
(916) 442-4877
kdw@woodruff-expert-services.com

Jerry B. Brown, Phd
Director - Safe Energy Project
WORLD BUSINESS ACADEMY
2020 ALAMEDA PADRE SERRA, STE. 135
SANTA BARBARA CA 93103
(305) 321-5612
jjbrown@gate.net

Rinaldo Brutuco
WORLD BUSINESS ACADEMY
2020 ALAMEDA PADRE SERRA, STE. 135
SANTA BARBARA CA 93103
(805) 892-4600
rsb@worldbusiness.org

Scott Wayland, P.E.
WYLAND ENGINEERING, INC.
424 MELROSE COURT
SAN RAMON CA 94582
(925) 248-0424
sewayland@comcast.net

Frances Cleveland
XANTHUS CONSULTING INTERNATIONAL, INC.
369 FAIRVIEW AVE.
BOULDER CREEK CA 95006
(831) 338-3175
fcleve@xanthus-consulting.com

Megan J. Hertzler
Director Of Information Governance
XCEL ENERGY
414 NICOLLET MALL  8
MINNEAPOLIS MN 55401
(612) 215-4589
megan.hertzler@xcelenergy.com

Craig Anderson
YOUTH WITH A MISSION
nmurthy@wirelessglue.com

Jean Merrigan
WOMEN'S ENERGY MATTERS
EMAIL ONLY
EMAIL ONLY CA 00000
(925) 957-6070
jnmwem@gmail.com

Eric C. Apfelbach
President And Ceo
ZBB ENERGY CORPORATION
N93 W14475 WHITTLAKER WAY
MENOMONEE FALLS WI 53051
(608) 576-7549
EApfelbach@ZBBenergy.com

Tony Siebert
ZBB ENERGY CORPORATION
N93 W14475 WHITTLAKER WAY
MENOMONEE FALLS WI 53051
(262) 389-7215
tsiebert@zbbenergy.com

Rick Ruiz
ZENVIRONMENT
209 MONTANA AVENUE, NO. 307
SANTA MONICA CA 90403
(310) 393-1561
rick.ruiz@zenviro.net

Sven L. Anden
Vp Sales And Marketing
ZEROPEX A.S.
368 WASHINGTON RD.
GROSSE POINTE MI 48230-1616
(248) 613-0991
sven.anden@sandab.com

Tobin Richardson
Dir - Smart Energy
ZIGBEE ALLIANCE
2400 CAMINO RAMON
SAN RAMON CA 94583
(925) 275-6607
TRichardson@zigbee.org
Appendix D

(Load-Serving Entities)
<table>
<thead>
<tr>
<th>LSE</th>
<th>Contact</th>
<th>Address</th>
<th>email</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Phases Renewables</td>
<td>Margo Burrows</td>
<td>2100 Sepulveda Boulevard Suite 37</td>
<td><a href="mailto:mburrows@3phasesrenewables.com">mburrows@3phasesrenewables.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Manhattan Beach CA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>90266</td>
<td></td>
</tr>
<tr>
<td>Commerce Energy</td>
<td>Inger Goodman</td>
<td>1 Centerpointe Drive</td>
<td><a href="mailto:igoodman@commerceenergy.com">igoodman@commerceenergy.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Suite 350</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>La Paloma CA 90623</td>
<td></td>
</tr>
<tr>
<td>Commercial Energy of Montana</td>
<td>Mike McGuffin</td>
<td>101 Parkshore Drive</td>
<td><a href="mailto:mmcguffin@ces-ltd.com">mmcguffin@ces-ltd.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Folsom CA 95630</td>
<td></td>
</tr>
<tr>
<td>Constellation NewEnergy, Inc.</td>
<td>Edward MacKay</td>
<td>100 Constellation Way</td>
<td><a href="mailto:edward.j.mackay@constellation.com">edward.j.mackay@constellation.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Baltimore MD 21202</td>
<td></td>
</tr>
<tr>
<td>Calpine Power America-CA, LLC</td>
<td>Jason Armenta</td>
<td>717 Texas Avenue, Suite 1000 Houston TX</td>
<td><a href="mailto:jarmenta@calpine.com">jarmenta@calpine.com</a>, <a href="mailto:CPACC@calpine.com">CPACC@calpine.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>77002</td>
<td></td>
</tr>
<tr>
<td>Direct Energy Business, LLC</td>
<td>Jennifer Gray</td>
<td>12 Greenway Plaza</td>
<td><a href="mailto:Jennifer.Gray@directenergy.com">Jennifer.Gray@directenergy.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Suite 250 Houston TX</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>77046</td>
<td></td>
</tr>
<tr>
<td>EDF Industrial Power services (CA), LLC</td>
<td>Angela Gregory</td>
<td>4700 W. Sam Houston Parkway N, Suite 250</td>
<td><a href="mailto:angela.gregory@edftrading.com">angela.gregory@edftrading.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Houston TX 77041</td>
<td></td>
</tr>
<tr>
<td>Glacial Energy of California</td>
<td>Andrew Luscz</td>
<td>5326 Yacht Haven</td>
<td><a href="mailto:andrew.luscz@glacialenergy.com">andrew.luscz@glacialenergy.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Grande Box 36 St. Thomas 00802</td>
<td></td>
</tr>
<tr>
<td>Gexa Energy California, LLC</td>
<td>John Ritch</td>
<td>20455 State Highway 249</td>
<td><a href="mailto:john.ritch@gexaenergy.com">john.ritch@gexaenergy.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Houston TX 77070</td>
<td></td>
</tr>
<tr>
<td>Liberty Power Holdings, LLC</td>
<td>Samantha Greves</td>
<td>1901 W. Cypress Creek Road Suite 600 Ft.</td>
<td><a href="mailto:sgreves@libertypowercorp.com">sgreves@libertypowercorp.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lauderdale FL 33309</td>
<td></td>
</tr>
<tr>
<td>Marin Energy Authority</td>
<td>John Dalessi</td>
<td>3941 Park Drive, Suite 20-201 El Dorado Hills</td>
<td><a href="mailto:john@dmcadvisors.com">john@dmcadvisors.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA 95762</td>
<td></td>
</tr>
<tr>
<td>LSE</td>
<td>Contact</td>
<td>Address</td>
<td>email</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------------------</td>
<td>----------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Noble Americas Energy Solutions LLC</td>
<td>Greg Bass</td>
<td>500 San Diego CA 92101</td>
<td><a href="mailto:gbass@noblesolutions.com">gbass@noblesolutions.com</a></td>
</tr>
<tr>
<td>Pacific Gas and Electric Company</td>
<td>Candice Wang</td>
<td>77 Beale Street, B2553 F San Francisco CA 94105</td>
<td><a href="mailto:c1ww@pge.com">c1ww@pge.com</a></td>
</tr>
<tr>
<td>Pilot Power Group, Inc.</td>
<td>John S. Friderichs</td>
<td>8910 University Center Lane Suite 520 San Diego CA 92122</td>
<td><a href="mailto:JFriderichs@pilotpowergroup.com">JFriderichs@pilotpowergroup.com</a></td>
</tr>
<tr>
<td>Southern California Edison</td>
<td>Elizabeth Leano</td>
<td>2244 Walnut Grove Ave. Rosemead CA 91170</td>
<td><a href="mailto:elizabeth.leano@sce.com">elizabeth.leano@sce.com</a></td>
</tr>
<tr>
<td>San Diego Gas &amp; Electric Company</td>
<td>Nuo Tang</td>
<td>8315 Century Parkt Court CP21D San Diego CA 92123</td>
<td><a href="mailto:ntang@semprautilities.com">ntang@semprautilities.com</a></td>
</tr>
<tr>
<td>Shell Energy North America</td>
<td>Marcie Milner</td>
<td>4445 Eastgate Mall #100 San Diego CA 92121</td>
<td><a href="mailto:marcie.milner@shell.com">marcie.milner@shell.com</a></td>
</tr>
<tr>
<td>Tiger Natural Gas, Inc.</td>
<td>Gregory Klatt</td>
<td>21700 Oxnard Street, Suite 1030 Woodland Hills CA 91367</td>
<td><a href="mailto:klatt@energyattorney.com">klatt@energyattorney.com</a></td>
</tr>
<tr>
<td>Sonoma Clean Power</td>
<td>John Dalessi</td>
<td>3941 Park Drive, Suite 20-201 El Dorado Hills CA 95762</td>
<td><a href="mailto:john@dmcaadvisors.com">john@dmcaadvisors.com</a></td>
</tr>
<tr>
<td>Shehzad Wadalawala</td>
<td></td>
<td>1111 franklin Street, 6th Floor Oakland CA 94607</td>
<td><a href="mailto:Shehzad.Wadalawala@ucop.edu">Shehzad.Wadalawala@ucop.edu</a></td>
</tr>
</tbody>
</table>

(END OF APPENDIX D)