



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

FILED

06-10-10

03:52 PM

Order Instituting Rulemaking to Consider Smart Grid Technologies Pursuant to Federal Legislation and on the Commission's own Motion to Actively Guide Policy in California's Development of a Smart Grid System.

Rulemaking 08-12-009

COMMENTS OF PACIFIC BELL TELEPHONE COMPANY
D/B/A AT&T CALIFORNIA (U 1001 C)
ON THE PROPOSED DECISION OF COMMISSIONER RYAN

KEITH M. KROM

AT&T Services, Inc.
525 Market Street, Suite 1904
San Francisco, CA 94105
Tel.: (415) 778-1420
Fax: (415) 974-5570
E-mail: keith.krom@att.com

Attorney for AT&T California

June 10, 2010

SUBJECT INDEX

Page No.

IT SHOULD BE MADE CLEAR THAT IN ADDITION TO FOLLOWING THE NATIONAL GUIDELINES UTILITIES AND COMMUNICATIONS PROVIDERS MUST ENGAGE IN THEIR OWN DETAILED CYBER SECURITY RISK ASSESSMENT.	3
THE COMMISSION SHOULD REQUIRE IOUs TO CONSIDER THIRD PARTY WIRELINE AND WIRELESS COMMUNICATIONS NETWORKS AS A COST-EFFECTIVE SOURCE FOR COMMUNICATIONS THAT MEET THE SECURITY AND PERFORMANCE REQUIREMENTS OF THE SMART GRID.	4
IT SHOULD BE MADE CLEAR THAT IN THE COMMISSION’S FUTURE DETERMINATION OF THE PROPER DEMARCATION POINT NO IOU WILL BE GIVEN A COMPETITIVE ADVANTAGE OVER OTHER ENERGY MANAGEMENT SERVICES FROM ITS ACCESS TO THE CUSTOMER’S HOME.	5

TABLE OF AUTHORITIES

Page(s)

California Public Utilities Commission Decisions and Orders

Re Order Instituting Rulemaking for the Purpose of Reviewing and Potentially Amending General Order 156 and to Consider Other Measures to Promote Economic Efficiencies of an Expanded Supplier Base and to Examine the Composition of the Utilities' Workforce, Rulemaking No. 09-07-027, Order Instituting Rulemaking to Review and Potentially Amend General Order 156, to Consider Other Measures to Promote the Economic Efficiencies of an Expanded Supplier Base, and to Examine the Composition of the Utilities' Workforce, 2009 WL 2473497 (Cal.P.U.C. July 30, 2009), available at: <http://docs.cpuc.ca.gov/word_pdf/FINAL_DECISION/105386.pdf>2

Rules and Regulations

Cal. Pub. Util. Comm'n Rules of Practice and Procedure, Rule 14.31

Other Authorities

Security Profile for Advanced Metering Infrastructure, v.10, Advanced Security Acceleration Project - Smart Grid, December 10, 2009 (available at: <[http://osgug.ucaiug.org/utilisec/amisec/Shared%20Documents/AMI%20Security%20Profile%20\(ASAP-SG\)/AMI%20Security%20Profile%20-%20v1_0.pdf](http://osgug.ucaiug.org/utilisec/amisec/Shared%20Documents/AMI%20Security%20Profile%20(ASAP-SG)/AMI%20Security%20Profile%20-%20v1_0.pdf)>).....2

Catalog of Control Systems Security: Recommendations for Standard Developers, U.S. Department of Homeland Security (DHS), National Cyber Security Division, September 2009 (available at: <http://www.uscert.gov/control_systems/pdf/Catalog%20of%20Recommendations%20March%202010.pdf>)2

Department of Homeland Security Cyber Security Procurement Language for Control Systems (available at: <http://www.us-cert.gov/control_systems/pdf/FINALProcurement_Language_Rev4_100809.pdf>).....2

Pacific Bell Telephone Company d/b/a AT&T California (“AT&T”) provides its comments on the May 21, 2010, Proposed Decision of Commissioner Ryan (“Proposed Decision”), pursuant to Rule 14.3 of the Commission’s Rules of Practice and Procedure.

I. INTRODUCTION

AT&T applauds the Commission for developing a measured and systematic approach to establishing the requirements for Smart Grid deployment plans pursuant to the mandate of Senate Bill 17. The Proposed Decision, if approved, lays out the framework for how such plans will be filed and reviewed while also balancing the ongoing work currently underway on Smart Grid issues nationally. To that end, the Proposed Decision correctly:

- Recognizes the benefit in following national standards and guidelines for interoperability¹;
- Recognizes the importance of privacy and cyber security issues and their inclusion in the Deployment Baseline report;²
- Requires consideration of third party communications providers’ networks in the deployment strategies;³
- Defers the issue of whether and how GO 156 should be extended to non-utility entities to R.09-07-027^{4,5}

¹ Proposed Decision, p. 14.

² *Id.* at 39-40.

³ *Id.* at 45.

⁴ *Re Order Instituting Rulemaking for the Purpose of Reviewing and Potentially Amending General Order 156 and to Consider Other Measures to Promote Economic Efficiencies of an Expanded Supplier Base and to Examine the Composition of the Utilities' Workforce*, Rulemaking No. 09-07-027, *Order Instituting Rulemaking to Review and Potentially Amend General Order 156, to Consider Other Measures to Promote the Economic Efficiencies of an Expanded Supplier Base, and to Examine the Composition of the Utilities' Workforce*, 2009 WL 2473497 (Cal.P.U.C. July 30, 2009), available at: <http://docs.cpuc.ca.gov/word_pdf/FINAL_DECISION/105386.pdf>.

⁵ Proposed Decision, p. 47.

- Sets the focus of the next phase of this proceeding on information access and privacy protections needed to implement access to price and consumption data;⁶ and
- Establishes a workshop to consider metrics to allow the Commission and stakeholders to measure the state of the Grid.⁷

We look forward to working with the PUC in the future phases of this proceeding and in the Commission's review of Smart Grid deployment plans to protect the important privacy and cyber security interests associated with Smart Grid deployment. There are just a few corrections and clarifications that should be made in the Proposed Decision to ensure that they are properly addressed as the Commission continues to explore these significant issues. First, on the issue of cyber security, the Proposed Decision cites three documents that National Institute of Standards and Technology ("NIST") and the Department of Homeland Security have prepared that could provide guidance on cyber security issues.⁸ However, as the Proposed Decision points out, while these guidelines provide useful guidance they alone cannot address all of the potential security permutations that a deployment presents. To do that effectively, utilities and their communications providers should take an in-depth, educated look at the security risks that a deployment presents and decide how best to ensure cyber security in a cost-effective way.

⁶ *Id.* at 9.

⁷ *Id.* at 81.

⁸ *See id.* at 57-58. These include the Security Profile for Advanced Metering Infrastructure, v.10, Advanced Security Acceleration Project - Smart Grid, December 10, 2009 (available at: <[http://osgug.ucauiug.org/utilisec/amisec/Shared%20Documents/AMI%20Security%20Profile%20\(ASAP-SG\)/AMI%20Security%20Profile%20-%20v1_0.pdf](http://osgug.ucauiug.org/utilisec/amisec/Shared%20Documents/AMI%20Security%20Profile%20(ASAP-SG)/AMI%20Security%20Profile%20-%20v1_0.pdf)>); Catalog of Control Systems Security: Recommendations for Standard Developers, U.S. Department of Homeland Security (DHS), National Cyber Security Division, September 2009 (available at: <http://www.uscert.gov/control_systems/pdf/Catalog%20of%20Recommendations%20March%202010.pdf>); and Department of Homeland Security Cyber Security Procurement Language for Control Systems (available at: <http://www.us-cert.gov/control_systems/pdf/FINALProcurement_Language_Rev4_100809.pdf>).

Second, the Proposed Decision correctly requires investor owned utilities (“IOUs”) to consider whether third party communications networks can provide cost-effective communications that meet the security and performance requirements of the Smart Grid.⁹ While the discussion of these third party communications networks is not limited to wireline network providers, we recommend that the Decision clarify that IOU Smart Grid implementation plans should not only explicitly address intended uses for third party wireline communications providers’ services but should also address opportunities to employ commercial wireless (*e.g.*, Wide Area Network (“WAN”)) facilities and managed services, such as hosting and cyber security services as well. Commercial services providers cost effectively deliver solutions to address the needs of IOUs, as they implement the Smart Grid, that go well beyond traditional wireline communications infrastructure.

Finally, while the Proposed Decision declines to adopt a demarcation point at this time,¹⁰ respectfully we recommend the Commission make clear that the guiding principle in its future examination of this issue will be to ensure the IOU gains no competitive advantage over any other energy management service from its access to the customer’s home.

II. IT SHOULD BE MADE CLEAR THAT IN ADDITION TO FOLLOWING THE NATIONAL GUIDELINES UTILITIES AND COMMUNICATIONS PROVIDERS MUST ENGAGE IN THEIR OWN DETAILED CYBER SECURITY RISK ASSESSMENT.

As discussed above, the Proposed Decision cites three documents that NIST and DHS have prepared for guidance on cyber security issues.¹¹ Modeling Smart Grid security on these guidelines has much to recommend it. The task for utilities, regulators and communications providers is to bring the best available technology to bear on security in a cost-effective manner.

⁹ Proposed Decision, p. 45.

¹⁰ *Id.* at 105.

¹¹ *Id.* at 57-58.

Thus, Smart Grid cyber security becomes a question of due diligence and a rule of reason: The Grid should be thoroughly reviewed for potential security breaches, but utilities and communications providers should use their own professional judgment, as informed by the NIST and DHS general guidance, to determine the steps to take to ensure security while controlling the costs which consumers ultimately must bear. This places cyber security responsibility squarely where it should be – on the utility operating the particular aspect of the Smart Grid. Allowing utilities to demonstrate reasoned conformance with the NIST and DHS guidelines rather than requiring absolute compliance will encourage better and more adaptive cyber security practices. And adaptation is what cyber security is all about. Standards are relatively static but cyber risks are dynamic.

III. THE COMMISSION SHOULD REQUIRE IOUs TO CONSIDER THIRD PARTY WIRELINE AND WIRELESS COMMUNICATIONS NETWORKS AS A COST-EFFECTIVE SOURCE FOR COMMUNICATIONS THAT MEET THE SECURITY AND PERFORMANCE REQUIREMENTS OF THE SMART GRID.

The Proposed Decision correctly requires IOUs to consider whether third party communications networks can provide cost-effective communications that meet the security and performance requirements of the Smart Grid.¹² We recommend that the Decision clarify that IOUs consider not only third party wireline communications providers' services but wireless communications services and managed services, such as hosting, security and cloud computing services, as well. Clearly such services have proven effective in addressing the demanding needs in other industries (financial/healthcare) and other segments (state and federal government). The economies of scale and experience of commercial service provider can help meet the security and performance requirements for the Smart Grid while controlling costs that consumers ultimately pay.

¹² *Id.* at 45.

Thus, in order to ensure that all cost-effective options are considered for Smart Grid deployments, AT&T recommends that the Proposed Decision make clear that IOUs should discuss in their implementation plans their consideration of existing commercial service providers to meet their communications needs and how rate payers will be benefited if the utilities are planning to invest in private communications networks rather than relying on commercially provided services.

IV. IT SHOULD BE MADE CLEAR THAT IN THE COMMISSION'S FUTURE DETERMINATION OF THE PROPER DEMARCATION POINT NO IOU WILL BE GIVEN A COMPETITIVE ADVANTAGE OVER OTHER ENERGY MANAGEMENT SERVICES FROM ITS ACCESS TO THE CUSTOMER'S HOME.

As referenced above, the Proposed Decision declines to adopt a demarcation point at this time.¹³ The Proposed Decision notes that the record is not sufficient to determine the issue and that the Commission will consider arguments regarding the demarcation point when investments for associated devices are proposed in an application or a general rate case.¹⁴ AT&T agrees that the parties may benefit from a more detailed review of the issue. However, we recommend the Commission make clear that the guiding principle in its future examination of this issue will be to ensure the IOU gains no competitive advantage over any other energy management service from its access to the customer's home. This principle will help guide the IOUs' future investment decisions and safeguard against an IOU establishing a dominant position in the home energy management space prior to the Commission ruling on the issue.

V. CONCLUSION

AT&T commends the Commission on its thorough and measured implementation plan for Smart Grid deployment. The Proposed Decision adequately balances the needs for robust

¹³ *Id.* at 105.

¹⁴ *Id.*

privacy and cyber security protections with rules that will help ensure that Smart Grid deployment brings much needed innovation and competition. For the foregoing reasons, AT&T recommends that the Proposed Decision be clarified as described herein, and where appropriate, in the recommended modifications to the Proposed Decision's Finding of Fact and Conclusions of Law, as set forth in Attachment A hereto.

Dated at San Francisco, California, this 10th day of June 2010.

Respectfully submitted,

/s/

KEITH M. KROM

AT&T Services, Inc.
525 Market Street, Suite 1904
San Francisco, CA 94105
Tel.: (415) 778-1420
Fax: (415) 974-5570
E-mail: keith.krom@att.com

Attorney for AT&T California

Attachment A

RECOMMENDED MODIFICATIONS TO THE PROPOSED DECISION'S FINDINGS OF FACT, CONCLUSIONS OF LAW, AND ORDERING PARAGRAPHS

[Note: Additions are underlined and deletions are in strikeout text.]

MODIFICATIONS TO THE PROPOSED DECISION'S FINDINGS OF FACT

Findings of Fact 25 and 37 should be modified as follows:

25. There exist several communications networks (both wireline and wireless) in California's current infrastructure that may offer cost-effective means for providing the data communications that a Smart Grid requires.

37. An effective security strategy should include a systematic risk assessment by both IOUs and their communications providers that addresses the prevention of, preparation for, protection against, mitigation of, response to, and recovery from security threats for the utilities' advanced metering infrastructure, distribution grid management, the communications providers' communications networks, and Smart Grid operations.

MODIFICATIONS TO THE PROPOSED DECISION'S CONCLUSIONS OF LAW

Conclusions of Law 15, 19 and 29 should be modified as follows:

15. It is reasonable to require the strategy section of the Smart Grid deployment plan to include an assessment as to whether current wireline and/or wireless ~~tele~~communications infrastructure can play a role in providing cost-effective data communications that the Smart Grid requires.

19. It is reasonable to require that the Grid Security and Cyber Security Strategy section of the Smart Grid deployment plan include a systematic risk assessment by both IOUs and their communications providers that addresses the prevention of, preparation for, protection against, mitigation of, response to, and recovery from security threats for the utilities' advanced metering infrastructure, distribution grid management, the communications providers' communications networks, and Smart Grid operations.

29. There is insufficient record to permit a determination as to whether prohibiting utility investment beyond the meter is in the public interest. The Commission will examine that issue further in an application or GRC proceeding where those investments are proposed. A guiding principle the Commission will use in making that decision will be to ensure no utility is competitively advantaged over any other energy management services from its access to the customer's home.

CALIFORNIA PUBLIC UTILITIES COMMISSION

Service Lists

Proceeding: R0812009 - CPUC - OIR TO CONSID

Filer: CPUC

List Name: LIST

Last changed: June 9, 2010

[Download the Comma-delimited File](#)
[About Comma-delimited Files](#)

[Back to Service Lists Index](#)

Parties

CARL GUSTIN
GROUNDEDPOWER, INC.
15 PLUM STREET
GLOUCESTER, MA 01930
FOR: GROUNDEDPOWER, INC.

VLADIMIR OKSMAN
LANTIQ INC.
67 CULFORD PLACE
MORGANVILLE, NJ 07751
FOR: LANTIQ INC.

JOSEPH ANDERSEN
CONSULTANT
TELECOMMUNICATIONS INDUSTRY ASSOCIATION
10 G ST. NE, SUITE 550
WASHINGTON, DC 20002
FOR: TELECOMMUNICATIONS INDUSTRY
ASSOCIATION

JEFF CAMPBELL
CISCO SYSTEMS
1300 PENNSYLVANIA AVE., N.W., STE. 250
WASHINGTON, DC 20004
FOR: CISCO SYSTEMS

DEAN R. BRENNER
QUALCOMM INCORPORATED
1730 PENNSYLVANIA AVE., N.W., STE. 850
WASHINGTON, DC 20006
FOR: QUALCOMM INCORPORATED

LILLIE CONEY
ASSOCIATE DIRECTOR
ELECTRONIC PRIVACY INFORMATION CENTER
1718 CONNECTICUT AVE., NW SUITE 200
WASHINGTON, DC 20009
FOR: ELECTRONIC PRIVACY INFORMATION
CENTER

CAMERON BROOKS
TENDRIL NETWORKS, INC.

STEVEN D. PATRICK
SEMPRA ENERGY

5395 PEARL PARKWAY
BOULDER, CO 80304
FOR: TENDRIL NETWORKS, INC.

555 WEST FIFTH STREET, GT14G1, STE 1400
LOS ANGELES, CA 90013-1011
FOR: SOUTHERN CALIFORNIA GAS COMPANY

NORMAN A. PEDERSEN
HANNA AND MORTON LLP
444 S FLOWER ST., SUITE 1500
LOS ANGELES, CA 90071-2916
FOR: SOUTHERN CALIFORNIA PUBLIC POWER
AUTHORITY

STEVEN G. LINS
ASSISTANT GENERAL MANAGER SUPPLY
GLENDALE WATER AND POWER
141 N. GLENDALE AVENUE, LEVEL 4
GLENDALE, CA 91206-4394
FOR: GLENDALE WATER POWER

DANIEL W. DOUGLASS
DOUGLASS & LIDDELL
21700 OXNARD STREET, SUITE 1030
WOODLAND HILLS, CA 91367
FOR: WESTERN POWER TRADING
FORUM/ALLIANCE FOR RETAIL ENERGY
MARKETS (AREM)

XAVIER BALDWIN
BURBANK POWER & WATER
164 WEST MAGNOLIA BLVD.
BURBANK, CA 91502
FOR: BURBANK POWER & WATER

KRIS G. VYAS
SOUTHERN CALIFORNIA EDISON COMPANY
QUAD 3-B
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770
FOR: SOUTHERN CALIFORNIA EDISON COMPANY

ALLEN K. TRIAL
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ-12B
SAN DIEGO, CA 92101
FOR: SAN DIEGO GAS & ELECTRIC

LEE BURDICK
ATTORNEY AT LAW
HIGGS, FLETCHER & MACK LLP
401 WEST A STREET, STE. 2600
SAN DIEGO, CA 92101
FOR: HIGGS FLETCHER & MACK

DONALD C. LIDDELL
DOUGLASS & LIDDELL
2928 2ND AVENUE
SAN DIEGO, CA 92103
FOR: CALIFORNIA ENERGY STORAGE
ALLIANCE/ WAL-MART STORES, INC. & SAM'S
WEST, INC./ICE ENERGY, INC.

MICHAEL SHAMES
UTILITY CONSUMERS' ACTION NETWORK
3100 FIFTH AVENUE, SUITE B
SAN DIEGO, CA 92103
FOR: UTILITY CONSUMERS' ACTION NETWORK

CHARLES R. TOCA
UTILITY SAVINGS & REFUND, LLC
PO BOX 54346
IRVINE, CA 92619-4346
FOR: UTILITY SAVINGS & REFUND, LLC

ROBERT SMITH, PH.D.
BUILDING INFORMATION MODEL-CALIFORNIA
21352 YARMOUTH LANE
HUNTINGTON BEACH, CA 92646-7058
FOR: BUILDING INFORMATION
MODEL-CALIFORNIA (BIM EDUCATION CO-OP)

MONA TIERNEY-LLOYD
SENIOR MANAGER WESTERN REG. AFFAIRS
ENERNOC, INC.
PO BOX 378
CAYUCOS, CA 93430
FOR: ENEROC, INC

EDWARD G. CAZALET
VP AND CO-FOUNDER
MEGAWATT STORAGE FARMS, INC.

MICHAEL TERRELL
GOOGLE INC.
1600 AMPHITHEATRE PKWY

101 FIRST STREET, SUITE 552
LOS ALTOS, CA 94022
FOR: MEGAWATT STORAGE FARMS, INC.

MOUNTAIN VIEW, CA 94043
FOR: GOOGLE INC.

MARC D. JOSEPH
ADAMS BROADWELL JOSEPH & CARDOZO
601 GATEWAY BLVD. STE 1000
SOUTH SAN FRANCISCO, CA 94080
FOR: COALITION OF CALIFORNIA UTILITY
EMPLOYEES

ELAINE M. DUNCAN
VERIZON CALIFORNIA, INC.
711 VAN NESS AVENUE, SUITE 300
SAN FRANCISCO, CA 94102
FOR: VERIZON CALIFORNIA, INC.

FIELD PICKERING
ENERGYHUB, INC.
760 MARKET STREET, SUITE 1028
SAN FRANCISCO, CA 94102
FOR: ENERGYHUB, INC.

MARGARITA GUTIERREZ
DEPUTY CITY ATTORNEY
OFFICE OF SF CITY ATTORNEY
1 DR. CARLTON B. GOODLETT PLACE, RM. 234
SAN FRANCISCO, CA 94102
FOR: CITY & COUNTY OF SAN FRANCISCO

LISA-MARIE SALVACION
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4107
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DRA

FRASER D. SMITH
CITY AND COUNTY OF SAN FRANCISCO
SAN FRANCISCO PUBLIC UTILITIES COMM
1155 MARKET STREET, 4TH FLOOR
SAN FRANCISCO, CA 94103
FOR: SAN FRANCISCO PUBLIC UTILITIES
COMMISSION

SANDRA ROVETTI
REGULATORY AFFAIRS MANAGER
SAN FRANCISCO PUC
1155 MARKET STREET, 4TH FLOOR
SAN FRANCISCO, CA 94103
FOR: SAN FRANCISCO PUC

THERESA BURKE
SAN FRANCISCO PUC
1155 MARKET STREET, 4TH FLOOR
SAN FRANCISCO, CA 94103
FOR: SAN FRANCISCO PUC

LARA ETTENSON
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104
FOR: NATURAL RESOURCES DEFENSE COUNCIL

MARCEL HAWIGER
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104
FOR: TURN

MARTY KURTOVICH
CHEVRON ENERGY SOLUTIONS
345 CALIFORNIA STREET, 18TH FLOOR
SAN FRANCISCO, CA 94104
FOR: CHEVRON ENERGY SOLUTIONS

CHRISTOPHER J. WARNER
ATTORNEY AT LAW
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET B30A
SAN FRANCISCO, CA 94105
FOR: PACIFIC GAS AND ELECTRIC COMPANY

KEITH KROM
AT&T SERVICES, INC.
525 MARKET STREET, SUITE 2027
SAN FRANCISCO, CA 94105

NORA SHERIFF
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

FOR: AT&T SERVICES, INC.

FOR: EPUC

HAROLD GALICER
SEAKAY, INC.
PO BOX 78192
SAN FRANCISCO, CA 94107
FOR: SEAKAY, INC.

PETER A. CASCIATO
ATTORNEY AT LAW
PETER A. CASCIATO P.C.
355 BRYANT STREET, SUITE 410
SAN FRANCISCO, CA 94107
FOR: TIME WARNER CABLE INFORMAT SERVICE
CA, LLC/COMCAST PHONE OF CA, LLC

STEVEN MOSS
SAN FRANCISCO COMMUNITY POWER
2325 THIRD STREET, STE 344
SAN FRANCISCO, CA 94107
FOR: SAN FRANCISCO COMMUNITY POWER

LEE TIEN
ELECTRONIC FRONTIER FOUNDATION
454 SHOTWELL STREET
SAN FRANCISCO, CA 94110
FOR: ELECTRONIC FRONTIER FOUNDATION

MARLO A. GO
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111
FOR: NORTH AMERICA POWER PARTNERS, LLC

MICHAEL B. DAY
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111-3133
FOR: COUNSEL FOR CURRENT GROUP, LLC

SARA STECK MYERS
ATTORNEY FOR
CEERT
122 28TH AVENUE
SAN FRANCISCO, CA 94121
FOR: CENTER FOR THE ENERGY EFFICIENCY &
RENEWABLE TECHNOLOGIES

JUDITH SCHWARTZ
TO THE POINT
2330 BRYANT STREET, SUITE 2
PALO ALTO, CA 94301
FOR: TO THE POINT

ALEXIS K. WODTKE
STAFF ATTORNEY
CONSUMER FEDERATION OF CALIFORNIA
520 S. EL CAMINO REAL, STE. 340
SAN MATEO, CA 94402
FOR: CONSUMER FEDERATION OF CALIFORNIA

FARROKH ALUYEK, PH.D.
OPEN ACCESS TECHNOLOGY INTERNATIONAL
1875 SOUTH GRANT STREET, SUITE 910
SAN MATEO, CA 94402
FOR: OPEN ACCESS TECHNOLOGY
INTERNATIONAL

MICHAEL ROCHMAN
MANAGING DIRECTOR
SPURR
1430 WILLOW PASS ROAD, SUITE 240
CONCORD, CA 94520
FOR: SCHOOL PROJECT FOR UTILITY RATE
REDUCTION

MARK SCHAEFFER
GRANITEKEY, LLC
1295 HEATHER LANE
LIVERMORE, CA 94551
FOR: GRANITEKEY, LLC

WILLIAM H. BOOTH
ATTORNEY AT LAW
LAW OFFICES OF WILLIAM H. BOOTH
67 CARR DRIVE
MORAGA, CA 94556

LEN CANTY
BLACK ECONOMIC COUNCIL
484 LAKE PARK AVENUE, SUITE 338
OAKLAND, CA 94610
FOR: BALCK ECONOMIC COUNCIL

FOR: COUNSEL FOR CALIFORNIA LARGE
ENERGY CONSUMERS ASSOCIATION

JOSEPH F. WIEDMAN
KEYES & FOX LLP
5727 KEITH AVENUE
OAKLAND, CA 94618
FOR: GOOGLE INC.

KEVIN T. FOX
KEYES & FOX LLP
5727 KEITH AVENUE
OAKLAND, CA 94618
FOR: INTERSTATE RENEWABLE ENERGY COUNCIL

ENRIQUE GALLARDO
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVE., 2ND FLOOR
BERKELEY, CA 94704
FOR: THE GREENLINING INSTITUTE

GREGG MORRIS
GREEN POWER INSTITUTE
2039 SHATTUCK AVE., SUITE 402
BERKELEY, CA 94704
FOR: GREEN POWER INSTITUTE

ROBERT GINAIZDA
COUNSEL
1918 UNIVERSITY AVE., 2ND FL.
BERKELEY, CA 94704
FOR: LATINO BUSINESS CHAMBER OF GREATER
LOS ANGELES

AARON J. BURSTEIN
UNIVERSITY OF CALIFORNIA, BERKELEY
SCHOOL OF INFORMATION
SOUTH HALL
BERKELEY, CA 94720
FOR: PRIVACY AND CYBERSECURITY LAW AND
POLICY RESEARCHERS

DEIRDRE K. MULLIGAN
UNIVERSITY OF CALIFORNIA, BERKELEY
SCHOOL OF INFORMATION
SOUTH HALL
BERKELEY, CA 94720
FOR: PRIVACY AND CYBERSECURITY LAW AND
POLICY RESEARCHERS

LONGHAO WANG
UNIVERSITY OF CALIFORNIA, BERKELEY
SCHOOL OF INFORMATION
SOUTH HALL
BERKELEY, CA 94720
FOR: PRIVACY AND CYBERSECURITY LAW AND
POLICY RESEACHERS

JENNIFER LYNCH
SAMUELSON LAW, TECH. & PUBLIC POLICY
UNIVERSITY OF CALIF, BERKELEY LAW SCHOOL
396 SIMON HALL
BERKELEY, CA 94720-7200
FOR: CENTER FOR DEMOCRACY & TECHNOLOGY

MIKE TIERNEY
ATTORNEY AT LAW
NRG ENERGY & PADOMA WIND POWER
829 ARLINGTON BLVD.
EL CERRITO, CA 94830
FOR: NRG ENERGY

RICH QUATTRINI
ENERGYCONNECT, INC.
901 CAMPESI WAY, SUITE 260
CAMPBELL, CA 95008
FOR: ENERGYCONNECT, INC.

MICHAEL WEISSMAN
SIGMA DESIGNS, INC.
1778 MCCARTHY BLVD.
MILPITAS, CA 95035
FOR: SIGMA DESIGNS, INC.

TODD S. GLASSEY
CERTICHRON INC.
50 W. SAN FERNANDO ST, SUITE 320
SAN JOSE, CA 95113
FOR: CERTICHRON

STEVE BOYD
TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE
TURLOCK, CA 95381-0949
FOR: TURLOCK IRRIGATION DISTRICT

MARTIN HOMECH
PO BOX 4471
DAVIS, CA 95617
FOR: CARE

DAVID ZLOTLOW
CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORP
151 BLUE RAVINE RD
FOLSOM, CA 95630
FOR: CALIFORNIA INDEPENDENT SYSTEM
OPERATOR CORPORATION

DENNIS DE CUIR
DENNIS W. DE CUIR, A LAW CORPORATION
2999 DOUGLAS BOULEVARD, SUITE 325
ROSEVILLE, CA 95661
FOR: GOLDEN STATE WATER COMPANY

SCOTT TOMASHEFSKY
NORTHERN CALIFORNIA POWER AGENCY
651 COMMERCE DRIVE
ROSEVILLE, CA 95678
FOR: NORTHERN CALIFORNIA POWER AGENCY

JIM HAWLEY
CALIFORNIA DIRECTOR AND GENERAL COUNSEL
TECHNOLOGY NETWORK
1215 K STREET, STE.1900
SACRAMENTO, CA 95814
FOR: TECHNOLOGY NETWORK

LAUREN NAVARRO
ENVIRONMENTAL DEFENSE FUND
1107 9TH ST., STE. 540
SACRAMENTO, CA 95814
FOR: ENVIRONMENTAL DEFENSE FUND

LESLA LEHTONEN
VP, LEGAL & REGULATORY AFFAIRS
CALIF. CABLE & TELECOMMUNICATIONS ASSN.
1001 K STREET, 2ND FLOOR
SACRAMENTO, CA 95814
FOR: CALIFORNIA CABLE &
TELECOMMUNICATIONS ASSOCIATION (CCTA)

CHASE B. KAPPEL
ELLISON SCHNEIDER & HARRIS LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905
FOR: SIERRA PACIFIC POWER CO.

MICHAEL COOP
HOMEGRID FORUM
3855 SW 153RD DRIVE
BEAVERTON, OR 97006
FOR: HOMEGRID FORUM

Information Only

GREY STAPLES
THE MENDOTA GROUP, LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

JANICE LIN
MANAGING PARTNER
STRATEGEN CONSULTING LLC
EMAIL ONLY
EMAIL ONLY, CA 00000

MICHAEL G. NELSON
EMAIL ONLY
EMAIL ONLY, CA 00000

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

ERIN GRIZARD
THE DEWEY SQUARE GROUP
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

RICHARD W. RAUSHENBUSH
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

TAM HUNT
HUNT CONSULTING
EMAIL ONLY
EMAIL ONLY, CA 00000-0000
FOR: COMMUNITY ENVIRONMENT COUNCIL

JOHN QUEALY
CANACCORD ADAMS
99 HIGH STREET
BOSTON, MA 02110

MARK SIGAL
CANACCORD ADAMS
99 HIGH STREET
BOSTON, MA 02110

BARBARA R. ALEXANDER
CONSUMER AFFAIRS CONSULTANT
83 WEDGEWOOD DRIVE
WINTHROP, ME 04364

CHRISTOPHER JOHNSON
LG ELECTRONICS USA, INC.
910 SYLVAN AVENUE
ENGLEWOOD CLIFFS, NJ 07632

JULIEN DUMOULIN-SMITH
ASSOCIATE ANALYST
UBS INVESTMENT RESEARCH
1285 AVENUE OF THE AMERICAS
NEW YORK, NY 10019

KEVIN ANDERSON
UBS INVESTMENT RESEARCH
1285 AVENUE OF THE AMERICAS
NEW YORK, NY 10019

DAVID RUBIN
TROUTMAN SANDERS, LLP
401 9TH STREET, N.W.
WASHINGTON, DC 20004
FOR: GROUNDEDPOWER, INC.

JENNIFER SANFORD
CISCO SYSTEMS, INC.
1300 PENNSYLVANIA AVE., N.W., STE. 250
WASHINGTON, DC 20004
FOR: CISCO SYSTEMS, INC.

MARY BROWN
CISCO SYSTEMS, INC.
1300 PENNSYLVANIA AVE., N.W., STE. 250
WASHINGTON, DC 20004
FOR: CISCO SYSTEMS, INC.

JACKIE MCCARTHY
CTIA - THE WIRELESS ASSOCIATION
1400 16TH STREET, NW, SUITE 600
WASHINGTON, DC 20036

JAY BIRNBAUM
GENERAL COUNSEL
CURRENT GROUP, LLC
20420 CENTURY BLVD
GEMANTOWN, MD 20874

MATT MCCAFFREE
OPOWER
1515 NORTH COURTHOUSE ROAD, SIXTH FLOOR
ARLINGTON, VA 22201

MICHAEL SACHSE
OPOWER
1515 N. COURTHOUSE RD., SUITE 610
ARLINGTON, VA 22201
FOR: OPOWER

PUJA DEVERAKONDA
OPOWER
1515 NORTH COURTHOUSE ROAD, SIXTH FLOOR

BEN BOYD
ACLARA TECHNOLOGIES
3001 RIVER TOWNE WAY, SUITE 403

ARLINGTON, VA 22201

ROBERT C. ROWE
NORTH WESTERN ENERGY
40 EAST BROADWAY
BUTTE, MT 59701

STEPHEN THIEL
IBM
1856 LANTANA LANE
FRISCO, TX 75034

RAYMOND GIFFORD
WILKINSON, BARKER, KNAUER, LLP
1515 ARAPAHOE STREET
DENVER, CO 80202

PHIL JACKSON
SYSTEM ENGINEER
VALLEY ELECTRIC ASSOCIATION
800 E. HWY 372, PO BOX 237
PAHRUMP, NV 89041

GREGORY HEALY
SEMPRA UTILITIES
555 WEST FIFTH STREET, 14TH FLR. -GT14D6
LOS ANGELES, CA 90013

DAVID SCHNEIDER
LUMESOURCE
8419 LOYOLA BLVD
LOS ANGELES, CA 90045

CRAIG KUENNEN
GLENDALE WATER AND POWER
141 N. GLENDALE AVENUE, 4TH LEVEL
GLENDALE, CA 91206

CASE ADMINISTRATION
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

NGUYEN QUAN

KNOXVILLE, TN 37920

MONICA MERINO
COMMONWEALTH EDISON COMPANY
440 S. LASALLE STREET, SUITE 3300
CHICAGO, IL 60605

ED MAY
ITRON INC.
6501 WILDWOOD DRIVE
MCKINNEY, TX 75070

JIM SUEUGA
VALLEY ELECTRIC ASSOCIATION
PO BOX 237
PAHRUMP, NV 89041

LEILANI JOHNSON KOWAL
LOS ANGELES DEPARTMENT OF WATER & POWER
111 N. HOPE STREET
LOS ANGELES, CA 90012

JORGE CORRALEJO
CHAIRMAN, LBC-GLA
LATINO BUSINESS CHAMBER OF GREATER L.A.
354 S. SPRING STREET, STE 818
LOS ANGELES, CA 90013
FOR: LATINO BUSINESS CHAMBER OF GREATER
LOS ANGELES

DAVID NEMTZOW
NEMTZOW & ASSOCIATES
1254 9TH STREET, NO. 6
SANTA MONICA, CA 90401

MARK S. MARTINEZ
SOUTHERN CALIFORNIA EDISON
6060 IRWINDALE AVE., SUITE J
IRWINDALE, CA 91702

MICHAEL A. BACKSTROM
ATTORNEY AT LAW
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

JEFF COX

MGR - REGULATORY AFFAIRS
GOLDEN STATE WATER COMPANY
630 EAST FOOTHILL BOULEVARD
SAN DIMAS, CA 91773

FUELCELL ENERGY
1557 MANDEVILLE PLACE
ESCONDIDO, CA 92029

ESTHER NORTHRUP
COX CALIFORNIA TELCOM II, LLC
350 10TH AVENUE, SUITE 600
SAN DIEGO, CA 92101

KELLY M. FOLEY
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12
SAN DIEGO, CA 92101-3017

KIM KIENER
504 CATALINA BLVD
SAN DIEGO, CA 92106

DONALD J. SULLIVAN
QUALCOMM INCORPORATED
5775 MOREHOUSE DRIVE
SAN DIEGO, CA 92121

REID A. WINTHROP
CORPORATE COUNSEL
PILOT POWER GROUP, INC.
8910 UNIVERSITY CENTER LANE, SUITE 520
SAN DIEGO, CA 92122

CENTRAL FILES
SAN DIEGO GAS AND ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP31-E
SAN DIEGO, CA 92123

JON FORTUNE
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVE., STE. 100
SAN DIEGO, CA 92123

SEPHRA A. NINOW
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVENUE, SUITE 100
SAN DIEGO, CA 92123

TODD CAHILL
SAN DIEGO GAS & ELECTRIC COMPANY
8306 CENTURY PARK COURT
SAN DIEGO, CA 92123

CAROL MANSON
SAN DIEGO GAS & ELECTRIC CO.
8330 CENTURY PARK COURT CP32D
SAN DIEGO, CA 92123-1530

DESPINA NIEHAUS
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO, CA 92123-1530

JERRY MELCHER
ENERNEX
4623 TORREY CIRCLE, APT Q303
SAN DIEGO, CA 92130

TRACEY L. DRABANT
ENERGY RESOURCE MANAGER
BEAR VALLEY ELECTRIC SERVICE
PO BOX 1547
BIG BEAR LAKE, CA 92315

PETER T. PEARSON
ENERGY SUPPLY SPECIALIST
BEAR VALLEY ELECTRIC SERVICE
42020 GARSTIN DRIVE, PO BOX 1547
BIG BEAR LAKE, CA 92315-1547

DAVID X. KOLK
COMPLETE ENERGY SERVICES INC
41422 MAGNOLIA STREET
MURRIETA, CA 92562

EVELYN KAHL
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94015

RICK BOLAND
E-RADIO USA, INC.
1062 RAY AVENUE
LOS ALTOS, CA 94022

SUE MARA
RTO ADVISORS, LLC.
164 SPRINGDALE WAY
REDWOOD CITY, CA 94062

JUAN OTERO
ATTORNEY AT LAW
TRILLIANT NETWORKS, INC.
1100 ISLAND DRIVE
REDWOOD CITY, CA 94065

MOZHI HABIBI
SR. DIRECTOR STRATEGIC MARKETING
VENTYX
1035 DRAKE COURT
SAN CARLOS, CA 94070

FARAMARZ MAGHSOODLOU
PRESIDENT
MITRA POWER
PO BOX 60549
SUNNYVALE, CA 94088

AMANDA WALLACE
10 MINT PLAZA NO. 4
SAN FRANCISCO, CA 94103

NORMAN J. FURUTA
FEDERAL EXECUTIVE AGENCIES
1455 MARKET ST., SUITE 1744
SAN FRANCISCO, CA 94103-1399

KRISTIN GRENFELL
PROJECT ATTORNEY, CALIF. ENERGY PROGRAM
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

MICHAEL E. CARBOY
SIGNAL HILL CAPITAL LLC
343 SANSOME STREET, SUITE 950
SAN FRANCISCO, CA 94104

NINA SUETAKE
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104

ROBERT FINKELSTEIN
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104

ANDREW MEIMAN
SENIOR PROGRAM MANAGER
NEWCOMB ANDERSON MCCORMICK
201 MISSION STREET, SUITE 2000
SAN FRANCISCO, CA 94105

ANNABELLE LOUIE
PACIFIC GAS AND ELECTRIC COMPANY
245 MARKET STREET
SAN FRANCISCO, CA 94105

CASE COORDINATION
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000; MC B9A, 77 BEALE STREET
SAN FRANCISCO, CA 94105

DIONNE ADAMS
OPERATION REVENUE REQUIREMENTS DEPT
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE ST., MAIL CODE B9A
SAN FRANCISCO, CA 94105

FRANCES YEE
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B10A
SAN FRANCISCO, CA 94105

KAREN TERRANOVA
ALCANTAR & KAHL
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

KIMBERLY C. JONES
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, MC B9A, ROOM 904
SAN FRANCISCO, CA 94105

MICHAEL P. ALCANTAR
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105

STEPHEN J. CALLAHAN
IBM
425 MARKET STREET
SAN FRANCISCO, CA 94105

MARGARET L. TOBIAS
TOBIAS LAW OFFICE
460 PENNSYLVANIA AVE
SAN FRANCISCO, CA 94107

BRIAN T. CRAGG
GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111
FOR: NORTH AMERICA POWER PARTNERS LLC

CASSANDRA SWEET
DOW JONES NEWSWIRES
201 CALIFORNIA ST., 13TH FLOOR
SAN FRANCISCO, CA 94111

JEFFREY SINSHEIMER
COBLENTZ, PATCH, DUFFY & BASS, LLP
ONE FERRY BUILDING, STE. 200
SAN FRANCISCO, CA 94111

NORENE LEW
COBLEUTZ PATCH DUFFY & BASS, LLP
ONE FERRY BUILDING, STE.200
SAN FRANCISCO, CA 94111

STEVE HILTON
STOEL RIVES LLP
555 MONTGOMERY ST., SUITE 1288
SAN FRANCISCO, CA 94111

SUZANNE TOLLER
DAVIS WRIGHT TREMAINE
505 MONTGOMERY STREET, SUITE 800

RICHARD H. COUNIHAN
SR. DIRECTOR CORPORATE DEVELOPMENT
ENERNOC, INC.
500 HOWARD ST., SUITE 400
SAN FRANCISCO, CA 94105

TERRY FRY
SR. VP, ENERGY & CARBON MANAGEMENT
NEXANT INC
101 SECOND ST. 10TH FLR
SAN FRANCISCO, CA 94105

BENJAMIN J. KALLO
VP - CLEAN TECHNOLOGY RESEARCH
ROBERT W. BAIRD & CO.
101 CALIFORNIA ST., STE. 1350
SAN FRANCISCO, CA 94111

BRYCE DILLE
CLEAN TECHNOLOGY RESEARCH
JMP SECURITIES
600 MONTGOMERY ST. SUITE 1100
SAN FRANCISCO, CA 94111

JANINE L. SCANCARELLI
CROWELL & MORING LLP
275 BATTERY STREET, 23RD FLOOR
SAN FRANCISCO, CA 94111

JOSHUA DAVIDSON
DAVIS WRIGHT TREMAINE
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111

SALLE E. YOO
DAVIS WRIGHT TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111

MARIA CARBONE
DAVIS WRIGHT TREMAINE, LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111-6533

DIANE I. FELLMAN
NRG WEST
73 DOWNEY STREET

SAN FRANCISCO, CA 94111-6533

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

PAUL PRUDHOMME
OPERATIONS REVENUE REQUIREMENTS
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE ST., MC B10B., ROOM 1001
SAN FRANCISCO, CA 94120

CARYN LAI
BINGHAM MCCUTCHEM, LLP
1900 UNIVERSITY AVENUE
EAST PALO ALTO, CA 94303

ELLEN PETRILL
DIRECTOR, PUBLIC/PRIVATE PARTNERSHIPS
ELECTRIC POWER RESEARCH INSTITUTE
3420 HILLVIEW AVENUE
PALO ALTO, CA 94304-1338

CHRIS KING
PRESIDENT
EMETER CORPORATION
2215 BRIDGEPOINTE PARKWAY, SUITE 300
SAN MATEO, CA 94404

JOHN DUTCHER
MOUNTAIN UTILITIES
3210 CORTE VALENCIA
FAIRFIELD, CA 94534-7875

MIKE AHMADI
GRANITEKEY, LLC
1295 HEATHER LANE
LIVERMORE, CA 94551

THOMAS W. LEWIS
116 GALISTEO CT.
SAN RAMON, CA 94583

NELLIE TONG

SAN FRANCISCO, CA 94117

LISA WEINZIMER
PLATTS MCGRAW-HILL
695 NINTH AVENUE, NO. 2
SAN FRANCISCO, CA 94118

ANGELA CHUANG
ELECTRIC POWER RESEARCH INSTITUTE
PO BOX 10412
PALO ALTO, CA 94303

MEGAN KUIZE
DEWEY & LEBOUF
1950 UNIVERSITY CIRCLE, SUITE 500
EAST PALO ALTO, CA 94303

ALI IPAKCHI
VP SMART GRID AND GREEN POWER
OPEN ACCESS TECHNOLOGY, INC
1875 SOUTH GRANT, SUITE 910
SAN MATEO, CA 94402

SHARON TALBOTT
EMETER CORPORATION
2215 BRIDGEPOINTE PARKWAY, SUITE 300
SAN MATEO, CA 94404

JOHN GUTIERREZ
DIRECTOR OF GOVERNMENT AFFAIRS
COMCAST
3055 COMCAST PLACE
LIVERMORE, CA 94551

SEAN P. BEATTY
SR. MGR. EXTERNAL & REGULATORY AFFAIRS
MIRANT CALIFORNIA, LLC
696 WEST 10TH ST., PO BOX 192
PITTSBURG, CA 94565

VALERIE RICHARDSON
KEMA, INC.
492 NINTH STREET
OAKLAND, CA 94605

DOUG GARRETT

SENIOR ANALYST
KEMA, INC.
492 NINTH STREET, SUITE 220
OAKLAND, CA 94607

COX CALIFORNIA TELCOM LLC
2200 POWELL STREET, SUITE 1035
EMERYVILLE, CA 94608

BOB STUART
BRIGHT SOURCE ENERGY, INC.
1999 HARRISON STREET, SUITE 2150
OAKLAND, CA 94612

DOCKET COORDINATOR
5727 KEITH ST.
OAKLAND, CA 94618

DAVID MARCUS
PO BOX 1287
BERKELEY, CA 94701

REED V. SCHMIDT
BARTLE WELLS ASSOCIATES
1889 ALCATRAZ AVENUE
BERKELEY, CA 94703-2714

ROBERT GNAIZDA
1918 UNIVERSITY AVE., 2ND FLOOR
BERKELEY, CA 94704

STEVE KROMER
SKEE
3110 COLLEGE AVENUE, APT 12
BERKELEY, CA 94705

JENNIFER URBAN
SAMUELSON LAW, TECH & PUBLIC POLICY
UNIVERSITY OF CALIF, BERKELEY LAW SCHOOL
396 SIMON HALL
BERKELEY, CA 94720-7200

KINGSTON COLE
KINGSTON COLE & ASSOCIATES
1537 FOURTH STREET, SUITE 169
SAN RAFAEL, CA 94901

PHILLIP MULLER
SCD ENERGY SOLUTIONS
436 NOVA ALBION WAY
SAN RAFAEL, CA 94903

JANET PETERSON
OUR HOME SPACES
20 PIMENTEL COURT, B8
NOVATO, CA 94949

JOSEPH WEISS
APPLIED CONTROL SOLUTIONS, LLC
10029 OAKLEAD PLACE
CUPERTINO, CA 95014

MICHAEL E. BOYD
PRESIDENT
CALIFORNIANS FOR RENEWABLE ENERGY, INC.
5439 SOQUEL DRIVE
SOQUEL, CA 95073

BARRY F. MCCARTHY
MCCARTHY & BERLIN, LLP
100 W. SAN FERNANDO ST., SUITE 501
SAN JOSE, CA 95113

C. SUSIE BERLIN
ATTORNEY AT LAW
MCCARTHY & BERLIN LLP
100 W. SAN FERNANDO ST., SUITE 501
SAN JOSE, CA 95113

MARY TUCKER
CITY OF SAN JOSE
200 EAST SANTA CLARA ST., 10TH FLOOR
SAN JOSE, CA 95113-1905

TOM KIMBALL
MODESTO IRRIGATION DISTRICT
PO BOX 4069
MODESTO, CA 95352

JOY A. WARREN
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95354

DAVID KATES
DAVID MARK & COMPANY
3510 UNOCAL PLACE, SUITE 200
SANTA ROSA, CA 95403

BARBARA R. BARKOVICH
BARKOVICH & YAP, INC.
44810 ROSEWOOD TERRACE
MENDOCINO, CA 95460

GAYATRI SCHILBERG
JBS ENERGY SERVICES
311 D STREET, SUITE A
W. SACRAMENTO, CA 95605

DOUGLAS M. GRANDY, P.E.
CALIFORNIA ONSITE GENERATION
DG TECHNOLOGIES
1220 MACAULAY CIRCLE
CARMICHAEL, CA 95608

DAVID E. MORSE
1411 W. COVELL BLVD., STE. 106-292
DAVIS, CA 95616-5934

MARTIN HOMEC
CALIFORNIANS FOR RENEWABLE ENERGY, INC.
PO BOX 4471
DAVIS, CA 95617

E-RECIPIENT
CALIFORNIA ISO
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

HEATHER SANDERS
CALIFORNIA ISO
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

JOHN GOODIN
CALIFORNIA ISO
151 BLUE RAVINE RD.
FOLSOM, CA 95630

WAYNE AMER
PRESIDENT
MOUNTAIN UTILITIES (906)
PO BOX 205
KIRKWOOD, CA 95646

TOM POMALES
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95812

BRIAN THEAKER
DIR., REGULATORY RELATIONS
DYNEGY, INC.
980 9TH STREET, SUITE 2130
SACRAMENTO, CA 95814

DANIELLE OSBORN-MILLS
REGULATORY AFFAIRS COORDINATOR
CEERT
1100 11TH STREET, SUITE 311
SACRAMENTO, CA 95814

DAVID L. MODISETTE
EXECUTIVE DIRECTOR
CALIFORNIA ELECTRIC TRANSP. COALITION
1015 K STREET, SUITE 200
SACRAMENTO, CA 95814

JAN MCFARLAND
CAEATFA
915 CAPITOL MALL, RM. 468
SACRAMENTO, CA 95814

JOHN SHEARS
CEERT
1100 11TH STREET, SUITE 311
SACRAMENTO, CA 95814
FOR: THE CENTER FOR ENERGY EFFICIENCY

KELLIE SMITH
SENATE ENERGY/UTILITIES & COMMUNICATION
STATE CAPITOL, ROOM 2195
SACRAMENTO, CA 95814

AND RENEWABLE TECHNOLOGIES

LINDA KELLY
ELECTRICITY ANALYSIS OFFICE
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS 20
SACRAMENTO, CA 95814

MICHELLE GARCIA
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95814

RICHELLE ORLANDO
CA CABLE & TELECOMMUNICATIONS ASSOC
1001 K STREET, 2ND FLOOR
SACRAMENTO, CA 95814

STEVEN A. LIPMAN
STEVEN LIPMAN CONSULTING
500 N. STREET 1108
SACRAMENTO, CA 95814

LYNN HAUG
ELLISON, SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816

ANDREW B. BROWN
ATTORNEY AT LAW
ELLISON SCHNEIDER & HARRIS, LLP (1359)
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905
FOR: CONSTELLATION COMMODITY GROUP &
CONSTELLATION NEW ENERGY INC./ SIERRA
PACIFIC

BRIAN S. BIERING
ELLISON SCHNEIDER & HARRIS, LLP
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905

GREGGORY L. WHEATLAND
ELLISON SCHNEIDER & HARRIS L.L.P.
2600 CAPITOL AVENUE, SUITE 400
SACRAMENTO, CA 95816-5905
FOR: SIERRA PACIFIC POWER CORP.

JIM PARKS
SACRAMENTO MUNICIPAL UTILITY DIST.
6301 S STREET, A204
SACRAMENTO, CA 95817-1899

LOURDES JIMENEZ-PRICE
OFFICE OF THE GENERAL COUNSEL
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6201 S STREET, MS B406
SACRAMENTO, CA 95817-1899

TIMOTHY N. TUTT
SACRAMENTO MUNICIPAL UTILITIES DISTRICT
6201 S. STREET, M.S. B404
SACRAMENTO, CA 95817-1899

VICKY ZAVATTERO
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6301 S STREET, MS A204
SACRAMENTO, CA 95817-1899

VIKKI WOOD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
6301 S STREET, MS A204
SACRAMENTO, CA 95817-1899

DAN MOOY
VENTYX
2379 OATEWAY OAKS DRIVE
SACRAMENTO, CA 95833

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

ROGER LEVY
LEVY ASSOCIATES
2805 HUNTINGTON ROAD
SACRAMENTO, CA 95864

JESSICA NELSON
ENERGY SERVICES MANAGER
PLUMAS SIERRA RURAL ELECTRIC COOP.
73233 STATE RT 70
PORTOLA, CA 96122-7069

JACK ELLIS
RESERO CONSULTING
1425 ALPINE WAY, PO BOX 6600
TAHOE CITY, CA 96145

MICHAEL JUNG
POLICY DIRECTOR
SILVER SPRING NETWORKS
555 BROADWAY STREET
REDWOOD CITY, CA 97063

MIKE CADE
ALCANTAR & KAHL, LLP
1300 SE 5TH AVE., 1750
PORTLAND, OR 97201

BENJAMIN SCHUMAN
PACIFIC CREST SECURITIES
111 SW 5TH AVE, 42ND FLR
PORTLAND, OR 97204

SHARON K. NOELL
PORTLAND GENERAL ELECTRIC COMPANY
121 SW SALMONT ST.
PORTLAND, OR 97204

MARK TUCKER
PACIFICORP
825 NE MULTNOMAH, SUITE 2000
PORTLAND, OR 97232

State Service

ALOKE GUPTA
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ANDREW CAMPBELL
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5203
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ANTHONY MAZY
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY PLANNING & POLICY BRANCH
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CHRISTOPHER R VILLARREAL
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

DAMON A. FRANZ
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

DAVID PECK
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY PLANNING & POLICY BRANCH
ROOM 4103
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

EDWARD HOWARD
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

FARZAD GHAZZAGH
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY PLANNING & POLICY BRANCH
ROOM 4102
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

GRETCHEN T. DUMAS
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4300
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JAKE WISE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JOYCE DE ROSSETT
CALIF PUBLIC UTILITIES COMMISSION
UTILITY AUDIT, FINANCE & COMPLIANCE BRAN
AREA 3-C
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JULIE HALLIGAN
CALIF PUBLIC UTILITIES COMMISSION
CONSUMER PROTECTION AND SAFETY DIVISION
ROOM 2203
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

KARIN M. HIETA
CALIF PUBLIC UTILITIES COMMISSION
ENERGY PRICING AND CUSTOMER PROGRAMS BRA
ROOM 4102
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DRA

KEVIN R. DUDNEY
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

LAURENCE CHASET
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5131
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MARZIA ZAFAR
CALIF PUBLIC UTILITIES COMMISSION
PUBLIC ADVISOR OFFICE
ROOM 2-B
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MATTHEW DEAL
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MICHAEL COLVIN
CALIF PUBLIC UTILITIES COMMISSION
POLICY & PLANNING DIVISION
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

REBECCA TSAI-WEI LEE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DRA

RISA HERNANDEZ
CALIF PUBLIC UTILITIES COMMISSION
ENERGY PRICING AND CUSTOMER PROGRAMS BRA
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

STEVE ROSCOW
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

TIMOTHY J. SULLIVAN
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 2106
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

VALERIE BECK
CALIF PUBLIC UTILITIES COMMISSION
ELECTRIC GENERATION PERFORMANCE BRANCH
AREA 2-D
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

WENDY AL-MUKDAD
CALIF PUBLIC UTILITIES COMMISSION
ENERGY DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

BRYAN LEE
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET - MS 43
SACRAMENTO, CA 95678

ALLEN BENITEZ
CALIF PUBLIC UTILITIES COMMISSION
CONSUMER PROTECTION AND SAFETY DIVISION
180 PROMENADE CIRCLE, SUITE 115
SACRAMENTO, CA 95834

[Top of Page](#)
[Back to INDEX OF SERVICE LISTS](#)