FILED
07-10-07
04:59 PM

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Implement the Commission's Procurement Incentive Framework and to Examine the Integration of Greenhouse Gas Emissions Standards into Procurement Policies.	)	Rulemaking 06-04-009 (Filed April 13, 2006)

ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION
OF THE STATE OF CALIFORNIA

In the Matter of: Order Instituting Informational Proceeding on a Greenhouse Gas Emissions Cap	)	Docket 07-OIIP-01

REPLY COMMENTS OF THE CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION ON THE JOINT STAFF PROPOSAL FOR A GHG REPORTING PROTOCOL

July 2, 2007

Bruce McLaughlin
C. Anthony Braun
Braun & Blaising, P.C.
915 L Street, Suite 1270
Sacramento, CA 95814
Tel: (916) 326-5812
Fax: (916) 326-5813
Email: mclaughlin@braunlegal.com

Attorneys for the
California Municipal Utilities Association

REPLY COMMENTS OF THE
CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION ON THE JOINT STAFF PROPOSAL FOR A GHG REPORTING PROTOCOL

In accordance with the *Administrative Law Judges' Ruling Regarding Comments on Staff Reporting Proposal* ("ALJ Ruling") filed June 12, 2007, in the R.06-04-009, and pursuant to the Rules of Practice and Procedure of the Public Utilities Commission ("CPUC") of the State of California, the California Municipal Utilities Association ("CMUA") hereby files these Reply Comments to parties opening comments on the *Joint California Public Utilities Commission and California Energy Commission Staff Proposal for an Electricity Retail Provider GHG Reporting Protocol* ("Staff Proposal"). CMUA also files these Comments with the California Energy Commission ("CEC") in Docket 07-OIIP-01. In these Reply Comments, the CPUC and CEC will collectively be called the "Joint Agencies."

CMUA reaffirms at this time, its desire and intent to participate collaboratively in the proceeding for the purpose of developing a workable recommendation for Assembly Bill 32 ("AB 32") implementation that is equitable and in conformance with the intent of AB 32. CMUA approaches this proceeding a manner in which all ideas must be explored using solid reasoning and evidence.

I. ACCURACY IS A KEY CRITERION

CMUA believes that there is a common thread running through a majority of the Opening Comments – the recognition of need for an accurate tracking mechanism. An accurate reporting and tracking mechanism will mitigate and perchance eliminate many problems concerning contract shuffling, gaming, leakage, double-counting, default emission factors, or unspecified resource emission factors.

> "LADWP supports the State's efforts to work with other states to develop a WECC-wide generation information system that would allow regulators to identify power that has been sold for another purpose, and thereby minimize leakage and contract shuffling."[1]

> "Transportability of reporting protocols developed by California is a desirable objective. Chief among the characteristics needed to facilitate transportability is accuracy of mass emission values for each of the six gases."[2]

---

[1] Comments of the Los Angeles Department of Water and Power (LADWP) at 12.

[2] Comments of the Sacramento Municipal Utilities District (SMUD) at 6.

"SCPPA supports the criteria [of accuracy, consistency, simplicity, transparency, minimizing unintended consequences, setting appropriate policy signals, and expandability] presented by the Joint Staff, particularly, and SCPPA applauds the Joint Staff's decision to put the objective of accuracy first on the list.[3]

"CMUA encourages the use of a database in which both in-state and out-of-state suppliers may demonstrate an actual emission factor for their portfolios or unit-specific facilities."[4]

"Given the inherent limitations of the Staff Proposal, the document should provide more discussion of the path to a comprehensive measurement system required for reporting under AB 32."[5]

"PG&E instead recommends that further workshops be scheduled to discuss and allow for comment by interested parties on the various sources of data and calculations that would support the emissions rates and factors. . . . California and states that deliver power to and from California should implement uniform and consistent methodologies for quantification of emissions associated with power imports and exports."[6]

"While it will be helpful to gain experience with GHG emissions reporting using near-term reporting options that depend upon existing sources of information, California should also use the interim period to begin developing a tracking system to overcome the deficiencies that exist in currently available information."[7]

"It is the strong belief of the Green Power Institute that in order to be successful, greenhouse gas reduction programs at any jurisdictional level (state, regional, federal, international) will require electronic tracking of greenhouse-gas emissions from their source to their retirement in conjunction with approved allowances. While an interim tracking protocol of the kind described in the *Joint Proposal* can be employed until a regional electronic tracking system can be put into service, we believe that the efforts of both Commissions involved in the *Joint Proposal*, as well as the ARB, should be geared towards creating a regional electronic greenhouse gas tracking system from the beginning."[8]

"There are serious consequences to the integrity of GHG markets if the California reporting protocol is inaccurate due to estimates and assumptions. The accuracy of the reporting protocol advanced in the Staff Proposal is poor, as has been discussed above in Section II.A. One of the consequences of this inaccuracy is that other states may not allow participants in their markets to trade with California entities if it is perceived that that California's emissions allowances will offset more than the face value of the allowances sold due to inaccurate underreporting of GHG emissions in California."[9]

---

[3] Comments of the Southern California Public Power Authority (SCPPA) at 1-2. Also, the majority of SCPPA's comments concern the accuracy of emission factors.

[4] Comments of CMUA at 5.

[5] Comments of San Diego Gas & Electric at 3.

[6] Comments of Pacific Gas & Electric at 5.

[7] Comments of the Natural Resources Defense Council-Union of Concerned Scientists (NRDC-UCS) at 4-5.

[8] Comments of the Green Power Institute at 3.

[9] Comments of Southern California Edison at 30.

> "AReM believes that it is appropriate to have a regional outlook in developing a system for tracking and reporting GHG emissions, and AReM strongly urges the Commission and the CEC to work with agencies in other states to that end. . . . Moreover, it should be explicitly recognized that many, if not most, of the complexities in the proposed reporting approach would go away if a larger, regional tracking and reporting infrastructure is developed."[10]

II. THE CRITERION OF ACCURACY MUST BE APPLIED CONSISTENTLY

As stated in CMUA's Opening Comments, CMUA agrees with the position of the Natural Resources Defense Council-Union of Concerned Scientists (NRDC-UCS) in that the Staff Proposal criteria of accuracy, minimizing unintended consequences, and the setting of appropriate policy signals are very important.[11] However, in CMUA's assessment of the reasoning and evidence, the NRDC-UCS proposal to use ex post calculations of emission factors would violate all of these criteria as well as the Staff Proposal criterion of consistency.[12] CMUA reasons that all of these important criteria will more likely be achieved by using the most accurate emission factors possible in a consistent application across all time periods and geographical boundaries.[13] This consistency must span the time frame between 1990 baseline and today, as well as from year to year going forward.[14] As stated by the Morgan Stanley Capital Group, "[i]t is difficult to see how market participants could enter into contracts or plan "carbon budgets" if they are to be subject to *ex post* calculations of assigned emissions rates. The market needs the predictability associated with an *ex ante* approach."[15] This uncertainty will exist, even if the retail providers have the option to purchase allowances or utilize flexible compliance mechanisms to cover their *newly recognized* compliance obligations when ex post numbers are released after the compliance year.[16] The retail provider will have already priced the transaction ahead of time and there will be no mechanism for recouping the costs.

NRDC-UCS state that "if emissions factors are assigned ex post on an annual basis, retail providers will know the emissions factor determined ex post for the previous year and can use that emissions factor for planning purposes, since the emissions factor in the following year is unlikely to

---

[10] Comments of the Alliance for Retail Energy Markets at 5.

[11] CMUA at 4-5, NRDC-UCS at 3.

[12] NRDC-UCS at 6-8.

[13] *See* SMUD at 5-7.

[14] LADWP at 3-5.

[15] Comments of Morgan Stanley Capital Group at 6-7.

[16] NRDC-UCS at 7.

substantially deviate from that of the prior year in most circumstances."[17] According to this argument, however, the ex post method would provide no "substantial" benefit since the numbers wouldn't substantially change. Insofar as emission factors are unlikely to substantially deviate from year to year, why would an ex post method be any more accurate than an ex ante method after the first ex post calculation was made? And, if that is true, then why shouldn't these emission factors be calculated before the AB 32 compliance program even begins so that the initial emission factors represent factors with the highest accuracy possible? If the compliance program begins with numbers that are as accurate as possible, then the calculations for subsequent years will differ minimally, rarely, or not at all. Moreover, couldn't the ex post approach create a perverse incentive whereby the retail providers do not truly know which resources to select and may possibly forgo procuring a lower emitting resource for one that is *actually* higher?

In the event the Joint Agencies desire to provide more market certainty than possible with an ex post calculation, NRDC-UCS suggest a hybrid system using ranges of ex ante emission factors for each region.[18] CMUA reasons that ex ante ranges do not satisfy the accuracy criterion either, and in addition, may pose problems with wholesale transactions which will then be priced at the high end and push the market toward illiquidity.

NRDC-UCS also suggest in the absence of using ex post emission factors, that a default rate for natural gas plants be set at the emission factor of the least efficient natural gas plant (1640 lbs CO_2e/MWh). Once again, using the highest value is not supported by the evidence, i.e., the available records of actual plant emissions. CMUA also reasons that this estimation would erase any distinction between resources that are truly high emitters and those that are not. In actuality, this proposal could create the unintended consequences that NRDC-UCS seek to avoid and defies the criterion of accuracy. Therefore, a default to using the highest value for unspecified resource emission factors may not always lead to real and permanent reductions in statewide GHG emissions as required by AB 32.

Regardless of whether ex post or ex ante emission factors are used, NRDC-UCS "recommend that these factors be updated annually, to account for potentially significant inter-annual changes such as new plant additions or retirements and hydro variability."[19] CMUA agrees. However, CMUA would further recommend that an ex ante annual update be based not on a single 12-month period, but on a historical 3-year rolling average in order to moderate seasonal/annual fluctuations in hot weather

---

[17] NRDC-UCS at 7. The oft quoted analogy of driving a car by looking in the rear view mirror comes to mind.

[18] NRDC-UCS at 8.

[19] NRDC-UCS at 6.

and available hydro and changes in generation resources. For example, the first reporting period would use the average of historical year 1, year 2, and year 3. For the following reporting period, year 1 would drop out and year 4 would be added, and so on. This process would allow new annual data on generation, fuel consumption, and emissions to be readily input into the equation and more accurately characterize the resources contributing to unspecified power.

III. CONCLUSION

In light of these common views and the dependence of a successful AB 32 compliance program upon having known emission rates in the western interconnect, CMUA asks the Joint Agencies to place a very high priority on developing recommendations for an accurate tracking system using consistent calculation protocols across all time periods and geographical regions.

Dated: July 10, 2007 Respectfully submitted,

Bruce McLaughlin
Braun & Blaising, P.C.
915 L Street, Suite 1270
Sacramento, CA 95814
(916) 326-5812
(916) 326-5813 (facsimile)
mclaughlin@braunlegal.com

Attorneys for the California Municipal Utilities Assn.

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a copy of the attached:

REPLY COMMENTS OF THE CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION ON THE JOINT STAFF PROPOSAL FOR A GHG REPORTING PROTOCOL

on all known parties to R.06-04-009 by transmitting an e-mail message with the document attached to each party named in the official service list. I served a copy of the document on those without e-mail addresses by mailing the document by first-class mail addressed as follows:

See attached service list

Executed this 10th day of July 2007, at Sacramento, California.

Ryan Bernardo

Appearance

STEVEN S. SCHLEIMER
DIRECTOR,COMPLIANCE & REGULATORY AFFAIRS
BARCLAYS BANK, PLC
200 PARK AVENUE, FIFTH FLOOR
NEW YORK, NY 10166

STEVEN HUHMAN
MORGAN STANLEY CAPITAL GROUP INC.
2000 WESTCHESTER AVENUE
PURCHASE, NY 10577

RICK C. NOGER
PRAXAIR PLAINFIELD, INC.
2711 CENTERVILLE ROAD, SUITE 400
WILMINGTON, DE 19808

KEITH R. MCCREA
ATTORNEY AT LAW
SUTHERLAND, ASBILL & BRENNAN, LLP
1275 PENNSYLVANIA AVE., N.W.
WASHINGTON, DC 20004-2415

ADAM J. KATZ
MCDERMOTT WILL & EMERY LLP
600 13TH STREET, NW.
WASHINGTON, DC 20005

CATHERINE M. KRUPKA
MCDERMOTT WILL AND EMERY LLP
600 THIRTEEN STREEET, NW
WASHINGTON, DC 20005

ERIN M. MURPHY
MCDERMOTT WILL & EMERY LLP
600 THIRTEENTH STREET, N.W.
WASHINGTON, DC 20005

MICHAEL A. YUFFEE
MCDERMOTT WILL & EMERY LLP
600 THIRTEENTH STREET, N.W.
WASHINGTON, DC 20005-3096

LISA M. DECKER
CONSTELLATION ENERGY GROUP, INC.
111 MARKET PLACE, SUITE 500
BALTIMORE, MD 21202

KEVIN BOUDREAUX
CALPINE POWER AMERICA-CA, LLC
717 TEXAS AVENUE, SUITE 1000
HOUSTON, TX 77002

THOMAS DILL
PRESIDENT
LODI GAS STORAGE, L.L.C.
1021 MAIN ST STE 1500
HOUSTON, TX 77002-6509

E.J. WRIGHT
OCCIDENTAL POWER SERVICES, INC.
5 GREENWAY PLAZA, SUITE 110
HOUSTON, TX 77046

PAUL M. SEBY
MCKENNA LONG & ALDRIDGE LLP
1875 LAWRENCE STREET, SUITE 200
DENVER, CO 80202

TIMOTHY R. ODIL
MCKENNA LONG & ALDRIDGE LLP
1875 LAWRENCE STREET, SUITE 200
DENVER, CO 80202

JENINE SCHENK
APS ENERGY SERVICES
400 E. VAN BUREN STREET, SUITE 750
PHOENIX, AZ 85004

JOHN B. WELDON, JR.
SALMON, LEWIS & WELDON, P.L.C.
2850 EAST CAMELBACK ROAD, SUITE 200
PHOENIX, AZ 85016

KELLY BARR
MANAGER, REGULATORY AFFAIRS & CONTRACTS
SALT RIVER PROJECT
PO BOX 52025, PAB 221
PHOENIX, AZ 85072-2025

STEVEN S. MICHEL
WESTERN RESOURCE ADVOCATES
2025 SENDA DE ANDRES
SANTA FE, NM 87501

ROGER C. MONTGOMERY
VICE PRESIDENT, PRICING
SOUTHWEST GAS CORPORATION
PO BOX 98510
LAS VEGAS, NV 89193-8510

SID NEWSOME
TARIFF MANAGER
SOUTHERN CALIFORNIA GAS COMPANY
GT 14 D6
555 WEST 5TH STREET
LOS ANGELES, CA 90051

DAVID L. HUARD
ATTORNEY AT LAW
MANATT, PHELPS & PHILLIPS, LLP
11355 WEST OLYMPIC BOULEVARD
LOS ANGELES, CA 90064

CURTIS L. KEBLER
J. ARON & COMPANY
SUITE 2600
2121 AVENUE OF THE STARS
LOS ANGELES, CA 90067

DENNIS M.P. EHLING
ATTORNEY AT LAW
KIRKPATRICK & LOCKHART NICHOLSON GRAHAM
10100 SANTA MONICA BLVD., 7TH FLOOR
LOS ANGELES, CA 90067

GREGORY KOISER
CONSTELLATION NEW ENERGY, INC.
350 SOUTH GRAND AVENUE, SUITE 3800
LOS ANGELES, CA 90071

NORMAN A. PEDERSEN
ATTORNEY AT LAW
HANNA AND MORTON, LLP
444 SOUTH FLOWER STREET, NO. 1500
LOS ANGELES, CA 90071

MICHAEL MAZUR
CHIEF TECHNICAL OFFICER
3 PHASES ENERGY SERVICES, LLC
2100 SEPULVEDA BLVD., SUITE 38
MANHATTAN BEACH, CA 90266

TIFFANY RAU
POLICY AND COMMUNICATIONS MANAGER
CARSON HYDROGEN POWER PROJECT LLC
ONE WORLD TRADE CENTER, SUITE 1600
LONG BEACH, CA 90831-1600

GREGORY KLATT
ATTORNEY AT LAW
DOUGLASS & LIDDELL
411 E. HUNTINGTON DRIVE, STE. 107-356
ARCADIA, CA 91006

MAUREEN LENNON
CALIFORNIA COGENERATION COUNCIL
595 EAST COLORADO BLVD., SUITE 623
PASADENA, CA 91101

RICHARD HELGESON
SOUTHERN CALIFORNIA PUBLIC POWER AUTHORI
225 S. LAKE AVE., SUITE 1250
PASADENA, CA 91101

DANIEL W. DOUGLASS
ATTORNEY AT LAW
DOUGLASS & LIDDELL
21700 OXNARD STREET, SUITE 1030
WOODLAND HILLS, CA 91367

PAUL DELANEY
AMERICAN UTILITY NETWORK (A.U.N.)
10705 DEER CANYON DRIVE
ALTA LOMA, CA 91737

AKBAR JAZAYEIRI
DIRECTOR OF REVENUE & TARRIFFS
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. ROOM 390
ROSEMEAD, CA 91770

ANNETTE GILLIAM
ATTORNEY AT LAW
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

LAURA I. GENAO
ATTORNEY
SOUTHERN CALIFORNIA EDISON
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

RONALD MOORE
GOLDEN STATE WATER/BEAR VALLEY ELECTRIC
630 EAST FOOTHILL BOULEVARD
SAN DIMAS, CA 91773

DON WOOD
PACIFIC ENERGY POLICY CENTER
4539 LEE AVENUE
LA MESA, CA 91941

AIMEE M. SMITH
ATTORNEY AT LAW
SEMPRA ENERGY
101 ASH STREET HQ13
SAN DIEGO, CA 92101

ALLEN K. TRIAL
SDGE&SCG
HQ-13
101 ASH STREET
SAN DIEGO, CA 92101

DAN HECHT
SEMPRA ENERGY
101 ASH STREET
SAN DIEGO, CA 92101

DANIEL A. KING
SEMPRA ENERGY
101 ASH STREET, HQ 12
SAN DIEGO, CA 92101

SYMONE VONGDEUANE
SEMPRA ENERGY SOLUTIONS
101 ASH STREET, HQ09
SAN DIEGO, CA 92101-3017

THEODORE ROBERTS
ATTORNEY AT LAW
SEMPRA GLOBAL
101 ASH STREET, HQ 13D
SAN DIEGO, CA 92101-3017

JOSEPH R. KLOBERDANZ
SAN DIEGO GAS & ELECTRIC
PO BOX 1831
SAN DIEGO, CA 92112

BILL LYONS
CORAL POWER, LLC
4445 EASTGATE MALL, SUITE 100
SAN DIEGO, CA 92121

THOMAS DARTON
PILOT POWER GROUP, INC.
9320 CHESAPEAKE DRIVE, SUITE 112
SAN DIEGO, CA 92123

STEVE RAHON
DIRECTOR, TARIFF & REGULATORY ACCOUNTS
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32C
SAN DIEGO, CA 92123-1548

GLORIA BRITTON
ANZA ELECTRIC COOPERATIVE, INC.
58470 HWY 371
PO BOX 391909
ANZA, CA 92539

LYNELLE LUND
COMMERCE ENERGY, INC.
600 ANTON BLVD., SUITE 2000
COSTA MESA, CA 92626

TAMLYN M. HUNT
ENERGY PROGRAM DIRECTOR
COMMUNITY ENVIRONMENTAL COUNCIL
26 W. ANAPAMU ST., 2/F
SANTA BARBARA, CA 93101

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

JOHN P. HUGHES
MANAGER, REGULATORY AFFAIRS
SOUTHERN CALIFORNIA EDISON COMPANY
601 VAN NESS AVENUE, STE. 2040
SAN FRANCISCO, CA 94102

LAD LORENZ
V.P. REGULATORY AFFAIRS
SOUTHERN CALIFORNIA GAS COMPANY
601 VAN NESS AVENUE, SUITE 2060
SAN FRANCISCO, CA 94102

MARCEL HAWIGER
THE UTILITY REFORM NETWORK
711 VAN NESS AVENUE, SUITE 350
SAN FRANCISCO, CA 94102

NINA SUETAKE
ATTORNEY AT LAW
THE UTILITY REFORM NETWORK
711 VAN NESS AVE., STE 350
SAN FRANCISCO, CA 94102

DIANA L. LEE
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4300
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

F. JACKSON STODDARD
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5125
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

AUDREY CHANG
STAFF SCIENTIST
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

EVELYN KAHL
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
120 MONTGOMERY STREET, SUITE 2200
SAN FRANCISCO, CA 94104

MICHAEL P. ALCANTAR
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
120 MONTGOMERY STREET, SUITE 2200
SAN FRANCISCO, CA 94104

SEEMA SRINIVASAN
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
120 MONTGOMERY STREET, SUITE 2200
SAN FRANCISCO, CA 94104

WILLIAM H. CHEN
CONSTELLATION NEW ENERGY, INC.
SPEAR TOWER, 36TH FLOOR
ONE MARKET STREET
SAN FRANCISCO, CA 94105

BRIAN K. CHERRY
DIRECTOR REGULATORY RELATIONS
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B10C
SAN FRANCISCO, CA 94106

EDWARD G POOLE
ANDERSON DONOVAN & POOLE
601 CALIFORNIA STREET SUITE 1300
SAN FRANCISCO, CA 94108

ANN G. GRIMALDI
MCKENNA LONG & ALDRIDGE LLP
101 CALIFORNIA STREET, 41ST FLOOR
SAN FRANCISCO, CA 94111

BRIAN T. CRAGG
ATTORNEY AT LAW
GOODIN, MACBRIDE, SQUERI, RITCHIE & DAY
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111

JAMES D. SQUERI
ATTORNEY AT LAW
GOODIN MACBRIDE SQUERI RITCHIE & DAY LLP
505 SANSOME STREET, STE 900
SAN FRANCISCO, CA 94111

JEANNE B. ARMSTRONG
ATTORNEY AT LAW
GOODIN MACBRIDE SQUERI RITCHIE & DAY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111

KAREN BOWEN
ATTORNEY AT LAW
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO, CA 94111

LISA A. COTTLE
ATTORNEY AT LAW
WINSTON & STRAWN LLP
101 CALIFORNIA STREET, 39TH FLOOR
SAN FRANCISCO, CA 94111

SEAN P. BEATTY
ATTORNEY AT LAW
COOPER, WHITE & COOPER, LLP
201 CALIFORNIA ST., 17TH FLOOR
SAN FRANCISCO, CA 94111

JOSEPH M. KARP
ATTORNEY AT LAW
WINSTON & STRAWN LLP
101 CALIFORNIA STREET
SAN FRANCISCO, CA 94111-5802

JEFFREY P. GRAY
DAVIS WRIGHT TREMAINE, LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111-6533

CHRISTOPHER J. WARNER
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, PO BOX 7442
SAN FRANCISCO, CA 94120-7442

SARA STECK MYERS
ATTORNEY AT LAW
122 28TH AVENUE
SAN FRANCISCO, CA 94121

LARS KVALE
CENTER FOR RESOURCE SOLUTIONS
PRESIDIO BUILDIING 97
PO BOX 39512
SAN FRANCISCO, CA 94129

ANDREA WELLER
STRATEGIC ENERGY
3130 D BALFOUR RD., SUITE 290
BRENTWOOD, CA 94513

JENNIFER CHAMBERLIN
STRATEGIC ENERGY, LLC
2633 WELLINGTON CT.
CLYDE, CA 94520

KERRY HATTEVIK
MIRANT CORPORATION
696 WEST 10TH STREET
PITTSBURG, CA 94565

AVIS KOWALEWSKI
CALPINE CORPORATION
3875 HOPYARD ROAD, SUITE 345
PLEASANTON, CA 94588

WILLIAM H. BOOTH
ATTORNEY AT LAW
LAW OFFICES OF WILLIAM H. BOOTH
1500 NEWELL AVENUE, 5TH FLOOR
WALNUT CREEK, CA 94596

J. ANDREW HOERNER
REDEFINING PROGRESS
1904 FRANKLIN STREET
OAKLAND, CA 94612

JANILL RICHARDS
DEPUTY ATTORNEY GENERAL
CALIFORNIA ATTORNEY GENERAL'S OFFICE
1515 CLAY STREET, 20TH FLOOR
OAKLAND, CA 94702

CLIFF CHEN
UNION OF CONCERNED SCIENTIST
2397 SHATTUCK AVENUE, STE 203
BERKELEY, CA 94704

GREGG MORRIS
DIRECTOR
GREEN POWER INSTITUTE
2039 SHATTUCK AVENUE, STE 402
BERKELEY, CA 94704

R. THOMAS BEACH
CROSSBORDER ENERGY
2560 NINTH STREET, SUITE 213A
BERKELEY, CA 94710-2557

BARRY F. MCCARTHY
ATTORNEY AT LAW
MCCARTHY & BERLIN, LLP
100 PARK CENTER PLAZA, SUITE 501
SAN JOSE, CA 95113

C. SUSIE BERLIN
ATTORNEY AT LAW
MC CARTHY & BERLIN, LLP
100 PARK CENTER PLAZA, SUITE 501
SAN JOSE, CA 95113

MIKE LAMOND
ALPINE NATURAL GAS OPERATING CO. #1 LLC
PO BOX 550
VALLEY SPRINGS, CA 95252

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

BALDASSARO DI CAPO, ESQ.
CALIFORNIA ISO
LEGAL AND REGULATORY DEPARTMENT
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

JOHN JENSEN
PRESIDENT
MOUNTAIN UTILITIES
PO BOX 205
KIRKWOOD, CA 95646

MARY LYNCH
VP - REGULATORY AND LEGISLATIVE AFFAIRS
CONSTELLATION ENERGY COMMODITIES GROUP
2377 GOLD MEDAL WAY, SUITE 100
GOLD RIVER, CA 95670

LEONARD DEVANNA
EXECUTIVE VICE PRESIDENT
CLEAN ENERGY SYSTEMS, INC.
11330 SUNCO DRIVE, SUITE A
RANCHO CORDOVA, CA 95742

ANDREW BROWN
ATTORNEY AT LAW
ELLISON, SCHNEIDER & HARRIS, LLP
2015 H STREET
SACRAMENTO, CA 95814

BRUCE MCLAUGHLIN
BRAUN & BLAISING, P.C.
915 L STREET, SUITE 1420
SACRAMENTO, CA 95814

GREGGORY L. WHEATLAND
ATTORNEY AT LAW
ELLISON, SCHNEIDER & HARRIS, LLP
2015 H STREET
SACRAMENTO, CA 95814

JANE E. LUCKHARDT
ATTORNEY AT LAW
DOWNEY BRAND LLP
555 CAPITOL MALL, 10TH FLOOR
SACRAMENTO, CA 95814

JEFFERY D. HARRIS
ATTORNEY AT LAW
ELLISON, SCHNEIDER & HARRIS LLP
2015 H STREET
SACRAMENTO, CA 95814

VIRGIL WELCH
CLIMATE CAMPAIGN COORDINATOR
ENVIRONMENTAL DEFENSE
1107 9TH STREET, SUITE 540
SACRAMENTO, CA 95814

WILLIAM W. WESTERFIELD, 111
ATTORNEY AT LAW
ELLISON, SCHNEIDER & HARRIS L.L.P.
2015 H STREET
SACRAMENTO, CA 95814

DOWNEY BRAND
JANE E. LUCKHARDT
555 CAPITOL MALL, 10TH FLOOR
SACRAMENTO, CA 95814-4686

RAYMOND J. CZAHAR, C.P.A.
CHIEF FINANCIAL OFFICER
WEST COAST GAS COMPANY
9203 BEATTY DRIVE
SACRAMENTO, CA 95826

STEVEN M. COHN
ASSISTANT GENERAL COUNSEL
SACRAMENTO MUNICIPAL UTILITY DISTRICT
PO BOX 15830
SACRAMENTO, CA 95852-1830

ANN L. TROWBRIDGE
ATTORNEY AT LAW
DAY CARTER & MURPHY, LLP
3620 AMERICAN RIVER DRIVE, SUITE 205
SACRAMENTO, CA 95864

DAN SILVERIA
SURPRISE VALLEY ELECTRIC CORPORATION
PO BOX 691
ALTURAS, CA 96101

JESSICA NELSON
PLUMAS-SIERRA RURAL ELECTRIC CO-OP
73233 STATE ROUTE 70, STE A
PORTOLA, CA 96122-7064

DONALD BROOKHYSER
ALCANTAR & KAHL
1300 SW FIFTH AVE., SUITE 1750
PORTLAND, OR 97210

CYNTHIA SCHULTZ
REGULATORY FILING COORDINATOR
PACIFIC POWER AND LIGHT COMPANY
825 N.E. MULTNOMAH
PORTLAND, OR 97232

KYLE L. DAVIS
PACIFICORP
825 NE MULTNOMAH,
PORTLAND, OR 97232

RYAN FLYNN
PACIFICORP
825 NE MULTNOMAH STREET, 18TH FLOOR
PORTLAND, OR 97232

TARA KNOX
AVISTA CORPORATION
PO BOX 3727
SPOKANE, WA 99220

IAN CARTER
POLICY COORDINATOR-NORTH AMERICA
INTERNATIONAL EMISSIONS TRADING ASSN.
350 SPARKS STREET, STE. 809
OTTAWA, ON K1R 7S8
CANADA

JASON DUBCHAK
ASSOCIATE GENERAL COUNSEL
NISKA GAS STORAGE
1200 855 2ND STREET, S.W.
CALGARY, AB T2P 4Z5
CANADA

Information Only

BRIAN M. JONES
M. J. BRADLEY & ASSOCIATES, INC.
47 JUNCTION SQUARE DRIVE
CONCORD, MA 01742

KENNETH A. COLBURN
SYMBILTIC STRATEGIES, LLC
26 WINTON ROAD
MEREDITH, NH 03253

RICHARD COWART
REGULATORY ASSISTANCE PROJECT
50 STATE STREET, SUITE 3
MONTPELIER, VT 05602

KATHRYN WIG
PARALEGAL
NRG ENERGY, INC.
211 CARNEGIE CENTER
PRINCETON, NY 08540

SAKIS ASTERIADIS
APX INC
1270 FIFTH AVE., SUITE 15R
NEW YORK, NY 10029

GEORGE HOPLEY
BARCLAYS CAPITAL
200 PARK AVENUE
NEW YORK, NY 10166

ELIZABETH ZELLJADT
1725 I STREET, N.W. SUITE 300
WASHINGTON, DC 20006

DALLAS BURTRAW
1616 P STREET, NW
WASHINGTON, DC 20036

VERONIQUE BUGNION
POINT CARBON
205 SEVERN RIVER RD
SEVERNA PARK, MD 21146

KYLE D. BOUDREAUX
FPL GROUP
700 UNIVERSE BLVD., JES/JB
JUNO BEACH, FL 33408

ANDREW BRADFORD
SENIOR MARKET RESEARCH ASSOCIATE
FELLON-MCCORD & ASSOCIATES
SUITE 2000
9960 CORPORATE CAMPUS DRIVE
LOUISVILLE, KY 40223

GARY BARCH
FELLON-MCCORD & ASSOCIATES, INC.
SUITE 2000
9960 CORPORATE CAMPUS DRIVE
LOUISVILLE, KY 40223

RALPH E. DENNIS
DIRECTOR, REGULATORY AFFAIRS
FELLON-MCCORD & ASSOCIATES
CONSTELLATION NEWENERGY-GAS DIVISION
9960 CORPORATE CAMPUS DRIVE, STE 2000
LOUISVILLE, KY 40223

SAMARA MINDEL
REGULATORY AFFAIRS ANALYST
FELLON-MCCORD & ASSOCIATES
9960 CORPORATE CAMPUS DRIVE, SUITE 2000
LOUISVILLE, KY 40223

BARRY RABE
1427 ROSS STREET
PLYMOUTH, MI 48170

CATHY S. WOOLLUMS
MIDAMERICAN ENERGY HOLDINGS COMPANY
106 EAST SECOND STREET
DAVENPORT, IA 52801

BRIAN POTTS
SUITE 700
ONE SOUTH PINCKNEY STREET
MADISON, WI 53703

JAMES W. KEATING
BP AMERICA, INC.
MAIL CODE 603-1E
150 W. WARRENVILLE RD.
NAPERVILLE, IL 60563

JAMES ROSS
RCS, INC.
500 CHESTERFIELD CENTER, SUITE 320
CHESTERFIELD, MO 63017

TRENT A. CARLSON
RELIANT ENERGY
1000 MAIN STREET
HOUSTON, TX 77001

GARY HINNERS
RELIANT ENERGY, INC.
PO BOX 148
HOUSTON, TX 77001-0148

JULIE L. MARTIN
WEST ISO COORDINATOR
NORTH AMERICA GAS AND POWER
BP ENERGY COMPANY
501 WESTLAKE PARK BLVD.
HOUSTON, TX 77079

ED CHIANG
ELEMENT MARKETS, LLC
ONE SUGAR CREEK CENTER BLVD., SUITE 250
SUGAR LAND, TX 77478

NADAV ENBAR
ENERGY INSIGHTS
1750 14TH STREET, SUITE 200
BOULDER, CO 80302

NICHOLAS LENSSEN
ENERGY INSIGHTS
1750 14TH STREET, SUITE 200
BOULDER, CO 80302

ELIZABETH BAKER
SUMMIT BLUE CONSULTING
1722 14TH STREET, SUITE 230
BOULDER, CO 80304

KEVIN J. SIMONSEN
ENERGY MANAGEMENT SERVICES
646 EAST THIRD AVENUE
DURANGO, CO 81301

PHILIP D. LUSK
WESTERN ELECTRICITY COORDINATING COUNCIL
615 ARAPEEN DRIVE,SUITE 210
SALT LAKE CITY, UT 84108-1262

SANDRA ELY
NEW MEXICO ENVIRONMENT DEPARTMENT
1190 ST FRANCIS DRIVE
SANTA FE, NM 87501

BRIAN MCQUOWN
RELIANT ENERGY
7251 AMIGO ST., SUITE 120
LAS VEGAS, NV 89119

DOUGLAS BROOKS
NEVADA POWER COMPANY
SIERRA PACIFIC POWER COMPANY
6226 WEST SAHARA AVENUE
LAS VEGAS, NV 89151

BILL SCHRAND
SOUTHWEST GAS CORPORATON
PO BOX 98510
LAS VEGAS, NV 89193-8510

JJ PRUCNAL
SOUTHWEST GAS CORPORATION
PO BOX 98510
LAS VEGAS, NV 89193-8510

MERIDITH J. STRAND
SENIOR COUNSEL
SOUTHWEST GAS CORPORATION
PO BOX 98510
LAS VEGAS, NV 89193-8510

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

CHRISTOPHER A. HILEN
ASSISTANT GENERAL COUNSEL
SIERRA PACIFIC POWER COMPANY
6100 NEIL ROAD
RENO, NV 89511

ELENA MELLO
SIERRA PACIFIC POWER COMPANY
6100 NEIL ROAD
RENO, NV 89520

TREVOR DILLARD
SIERRA PACIFIC POWER COMPANY
PO BOX 10100
6100 NEIL ROAD, MS S4A50
RENO, NV 89520

DARRELL SOYARS
MANAGER-RESOURCE PERMITTING&STRATEGIC
SIERRA PACIFIC RESOURCES
6100 NEIL ROAD
RENO, NV 89520-0024

FRANK LUCHETTI
NEVADA DIV. OF ENVIRONMENTAL PROTECTION
901 S. STEWART ST., SUITE 4001
CARSON CITY, NV 89701

LEILANI JOHNSON KOWAL
LOS ANGELES DEPT. OF WATER AND POWER
111 N. HOPE STREET, ROOM 1050
LOS ANGELES, CA 90012

RANDY S. HOWARD
LOS ANGELES DEPT. OF WATER AND POWER
111 NORTH HOPE STREET, ROOM 921
LOS ANGELES, CA 90012

ROBERT L. PETTINATO
LOS ANGELES DEPARTMENT OF WATER & POWER
111 NORTH HOPE STREET, SUITE 1150
LOS ANGELES, CA 90012

HUGH YAO
SOUTHERN CALIFORNIA GAS COMPANY
555 W. 5TH ST, GT22G2
LOS ANGELES, CA 90013

RASHA PRINCE
SAN DIEGO GAS & ELECTRIC
555 WEST 5TH STREET, GT14D6
LOS ANGELES, CA 90013

RANDALL W. KEEN
ATTORNEY AT LAW
MANATT PHELPS & PHILLIPS, LLP
11355 WEST OLYMPIC BLVD.
LOS ANGELES, CA 90064

S. NANCY WHANG
ATTORNEY AT LAW
MANATT, PHELPS & PHILLIPS, LLP
11355 WEST OLYMPIC BLVD.
LOS ANGELES, CA 90064

DEREK MARKOLF
CALIFORNIA CLIMATE ACTION REGISTRY
515 S. FLOWER STREET, SUITE 1640
LOS ANGELES, CA 90071

HARVEY EDER
PUBLIC SOLAR POWER COALITION
1218 12TH ST., 25
SANTA MONICA, CA 90401

STEVE ENDO
DEPARTMENT OF WATER & POWER
150 S LOS ROBLES AVE., STE. 200
PASADENA, CA 91101

STEVEN G. LINS
CITY OF GLENDALE
OFFICE OF THE CITY ATTORNEY
613 EAST BROADWAY, SUITE 220
GLENDALE, CA 91206-4394

TOM HAMILTON
MANAGING PARTNER
ENERGY CONCIERGE SERVICES
321 MESA LILA RD
GLENDALE, CA 91208

BRUNO JEIDER
BURBANK WATER & POWER
164 WEST MAGNOLIA BLVD.
BURBANK, CA 91502

ROGER PELOTE
WILLIAMS POWER COMPANY
12736 CALIFA STREET
VALLEY VILLAGE, CA 91607

CASE ADMINISTRATION
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE., RM. 370
ROSEMEAD, CA 91770

CATHY KARLSTAD
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD, CA 91770

TIM HEMIG
NRG ENERGY, INC.
1819 ASTON AVENUE, SUITE 105
CARLSBAD, CA 92008

BARRY LOVELL
15708 POMERADO RD., SUITE 203
POWAY, CA 92064

ALDYN HOEKSTRA
PACE GLOBAL ENERGY SERVICES
420 WEST BROADWAY, 4TH FLOOR
SAN DIEGO, CA 92101

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

YVONNE GROSS
REGULATORY POLICY MANAGER
SEMPRA ENERGY
HQ08C
101 ASH STREET
SAN DIEGO, CA 92103

JOHN LAUN
APOGEE INTERACTIVE, INC.
1220 ROSECRANS ST., SUITE 308
SAN DIEGO, CA 92106

KIM KIENER
504 CATALINA BLVD.
SAN DIEGO, CA 92106

SCOTT J. ANDERS
RESEARCH/ADMINISTRATIVE DIRECTOR
UNIVERSITY OF SAN DIEGO SCHOOL OF LAW
5998 ALCALA PARK
SAN DIEGO, CA 92110

ANDREW MCALLISTER
DIRECTOR OF OPERATIONS
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVE., SUITE 100
SAN DIEGO, CA 92123

JACK BURKE
LEGISLATIVE AFFAIRS MANAGER
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVE., SUITE 100
SAN DIEGO, CA 92123

JENNIFER PORTER
POLICY ANALYST
CALIFORNIA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVENUE, SUITE 100
SAN DIEGO, CA 92123

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

JOHN W. LESLIE
ATTORNEY AT LAW
LUCE, FORWARD, HAMILTON & SCRIPPS, LLP
11988 EL CAMINO REAL, SUITE 200
SAN DIEGO, CA 92130

ORLANDO B. FOOTE, III
ATTORNEY AT LAW
HORTON, KNOX, CARTER & FOOTE
895 BROADWAY, SUITE 101
EL CENTRO, CA 92243

ELSTON K. GRUBAUGH
IMPERIAL IRRIGATION DISTRICT
333 EAST BARIONI BLVD.
IMPERIAL, CA 92251

JAN PEPPER
CLEAN POWER MARKETS, INC.
PO BOX 3206
418 BENVENUE AVENUE
LOS ALTOS, CA 94024

GLORIA D. SMITH
ADAMS, BROADWELL, JOSEPH & CARDOZO
601 GATEWAY BLVD., SUITE 1000
SOUTH SAN FRANCISCO, CA 94080

MARC D. JOSEPH
ADAMS BRADWELL JOSEPH & CARDOZO
601 GATEWAY BLVD. STE 1000
SOUTH SAN FRANCISCO, CA 94080

DIANE I. FELLMAN
ATTORNEY AT LAW
LAW OFFICES OF DIANE I. FELLMAN
234 VAN NESS AVENUE
SAN FRANCISCO, CA 94102

HAYLEY GOODSON
ATTORNEY AT LAW
THE UTILITY REFORM NETWORK
711 VAN NESS AVENUE, SUITE 350
SAN FRANCISCO, CA 94102

MATTHEW FREEDMAN
ATTORNEY AT LAW
THE UTILITY REFORM NETWORK
711 VAN NESS AVENUE, SUITE 350
SAN FRANCISCO, CA 94102

MICHEL FLORIO
ATTORNEYS AT LAW
711 VAN NESS AVE., STE. 350
SAN FRANCISCO, CA 94102

DAN ADLER
DIRECTOR, TECH AND POLICY DEVELOPMENT
CALIFORNIA CLEAN ENERGY FUND
5 THIRD STREET, SUITE 1125
SAN FRANCISCO, CA 94103

MICHAEL A. HYAMS
POWER ENTERPRISE-REGULATORY AFFAIRS
SAN FRANCISCO PUBLIC UTILITIES COMM
1155 MARKET ST., 4TH FLOOR
SAN FRANCISCO, CA 94103

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

ANNABELLE MALINS
CONSUL-SCIENCE AND TECHNOLOGY
BRITISH CONSULATE-GENERAL
ONE SANSOME STREET, SUITE 850
SAN FRANCISCO, CA 94104

DEVRA WANG
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

ERIC WANLESS
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

KAREN TERRANOVA
ALCANTAR & KAHL, LLP
120 MONTGOMERY STREET, STE 2200
SAN FRANCISCO, CA 94104

NORA SHERIFF
ATTORNEY AT LAW
ALCANTAR & KAHL, LLP
120 MONTGOMERY STREET, SUITE 2200
SAN FRANCISCO, CA 94104

OLOF BYSTROM
DIRECTOR, WESTERN ENERGY
CAMBRIDGE ENERGY RESEARCH ASSOCIATES
555 CALIFORNIA STREET, 3RD FLOOR
SAN FRANCISCO, CA 94104

SHERYL CARTER
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 94104

ASHLEE M. BONDS
THELEN REID BROWN RAYSMAN&STEINER LLP
SUITE 1800
101 SECOND STREET
SAN FRANCISCO, CA 94105

CARMEN E. BASKETTE
CORPORATE DEVELOPMENT PRINCIPAL
594 HOWARD ST., SUITE 400
SAN FRANCISCO, CA 94105

COLIN PETHERAM
DIRECTOR-REGULATORY
SBC CALIFORNIA
140 NEW MONTGOMERY ST., SUITE 1325
SAN FRANCISCO, CA 94105

KEVIN FOX
WILSON SONSINI GOODRICH & ROSATI
ONE MARKET STREET, SPEAR TOWER, 3300
SAN FRANCISCO, CA 94105

KHURSHID KHOJA
ASSOCIATE
THELEN REID BROWN RAYSMAN & STEINER
101 SECOND STREET, SUITE 1800
SAN FRANCISCO, CA 94105

CALIFORNIA ENERGY MARKETS
517-B POTRERO AVENUE
SAN FRANCISCO, CA 94110

HOWARD V. GOLUB
NIXON PEABODY LLP
2 EMBARCADERO CENTER, STE. 2700
SAN FRANCISCO, CA 94111

JANINE L. SCANCARELLI
ATTORNEY AT LAW
FOLGER, LEVIN & KAHN, LLP
275 BATTERY STREET, 23RD FLOOR
SAN FRANCISCO, CA 94111

JOSEPH F. WIEDMAN
ATTORNEY AT LAW
GOODIN MACBRIDE SQUERI DAY & LAMPREY LLP
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111

MARTIN A. MATTES
NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP
50 CALIFORNIA STREET, 34TH FLOOR
SAN FRANCISCO, CA 94111

JEN MCGRAW
CENTER FOR NEIGHBORHOOD TECHNOLOGY
PO BOX 14322
SAN FRANCISCO, CA 94114

LISA WEINZIMER
CALIFORNIA ENERGY REPORTER
PLATTS
695 NINTH AVENUE, NO. 2
SAN FRANCISCO, CA 94118

STEVEN MOSS
SAN FRANCISCO COMMUNITY POWER COOP
2325 3RD STREET, SUITE 344
SAN FRANCISCO, CA 94120

SHAUN ELLIS
2183 UNION STREET
SAN FRANCISCO, CA 94123

ARNO HARRIS
RECURRENT ENERGY, INC.
220 HALLECK ST., SUITE 220
SAN FRANCISCSO, CA 94129

ED LUCHA
PROJECT COORDINATOR
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, MAIL CODE B9A
SAN FRANCISCO, CA 94177

GRACE LIVINGSTON-NUNLEY
ASSISTANT PROJECT MANAGER
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000 MAIL CODE B9A
SAN FRANCISCO, CA 94177

JASMIN ANSAR
PG&E
MAIL CODE B24A
PO BOX 770000
SAN FRANCISCO, CA 94177

JONATHAN FORRESTER
PG&E
MAIL CODE N13C
PO BOX 770000
SAN FRANCISCO, CA 94177

SEBASTIEN CSAPO
PROJECT MANAGER
PACIFIC GAS AND ELECTRIC COMPANY
MAIL CODE B9A
PO BOX 770000
SAN FRANCISCO, CA 94177

SOUMYA SASTRY
PACIFIC GAS AND ELECTRIC COMPANY
MAIL CODE B9A
PO BOX 770000
SAN FRANCISCO, CA 94177

STEPHANIE LA SHAWN
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, MAIL CODE B9A
SAN FRANCISCO, CA 94177

VALERIE J. WINN
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 770000, B9A
SAN FRANCISCO, CA 94177-0001

FARROKH ALBUYEH
VICE PRESIDENT
OPEN ACCESS TECHNOLOGY INTERNATIONAL INC
SUITE 910
1875 SOUTH GRANT STREET
SAN MATEO, CA 94402

GREG BLUE
140 MOUNTAIN PKWY.
CLAYTON, CA 94517

DEAN R. TIBBS
PRESIDENT
ADVANCED ENERGY STRATEGIES, INC.
1390 WILLOW PASS ROAD, SUITE 610
CONCORD, CA 94520

BETH VAUGHAN
CALIFORNIA COGENERATION COUNCIL
4391 N. MARSH ELDER COURT
CONCORD, CA 94521

JEFFREY L. HAHN
COVANTA ENERGY CORPORATION
876 MT. VIEW DRIVE
LAFAYETTE, CA 94549

ANDREW J. VAN HORN
VAN HORN CONSULTING
12 LIND COURT
ORINDA, CA 94563

SUE KATELEY
EXECUTIVE DIRECTOR
CALIFORNIA SOLAR ENERGY INDUSTRIES ASSN
PO BOX 782
RIO VISTA, CA 94571

JOSEPH M. PAUL
SENIOR CORPORATE COUNSEL
DYNEGY, INC.
2420 CAMINO RAMON, SUITE 215
SAN RAMON, CA 94583

MONICA A. SCHWEBS, ESQ.
BINGHAM MCCUTCHEN LLP
SUITE 210
1333 N. CALIFORNIA BLVD.
WALNUT CREEK, CA 94596

PETER W. HANSCHEN
ATTORNEY AT LAW
MORRISON & FOERSTER, LLP
101 YGNACIO VALLEY ROAD, SUITE 450
WALNUT CREEK, CA 94596

JOSEPH HENRI
31 MIRAMONTE ROAD
WALNUT CREEK, CA 94597

PATRICIA THOMPSON
SUMMIT BLUE CONSULTING
2920 CAMINO DIABLO, SUITE 210
WALNUT CREEK, CA 94597

WILLIAM F. DIETRICH
ATTORNEY AT LAW
DIETRICH LAW
2977 YGNACIO VALLEY ROAD, 613
WALNUT CREEK, CA 94598-3535

BETTY SETO
POLICY ANALYST
KEMA, INC.
492 NINTH STREET, SUITE 220
OAKLAND, CA 94607

GERALD L. LAHR
ABAG POWER
101 EIGHTH STREET
OAKLAND, CA 94607

JODY S. LONDON
JODY LONDON CONSULTING
PO BOX 3629
OAKLAND, CA 94609

STEVEN SCHILLER
SCHILLER CONSULTING, INC.
111 HILLSIDE AVENUE
PIEDMONT, CA 94611

MRW & ASSOCIATES, INC.
1814 FRANKLIN STREET, SUITE 720
OAKLAND, CA 94612

REED V. SCHMIDT
VICE PRESIDENT
BARTLE WELLS ASSOCIATES
1889 ALCATRAZ AVENUE
BERKELEY, CA 94703

ADAM BRIONES
THE GREENLINING INSTITUTE
1918 UNIVERSITY AVENUE, 2ND FLOOR
BERKELEY, CA 94704

CLYDE MURLEY
1031 ORDWAY STREET
ALBANY, CA 94706

BRENDA LEMAY
DIRECTOR OF PROJECT DEVELOPMENT
HORIZON WIND ENERGY
1600 SHATTUCK, SUITE 222
BERKELEY, CA 94709

CARLA PETERMAN
UCEI
2547 CHANNING WAY
BERKELEY, CA 94720

EDWARD VINE
LAWRENCE BERKELEY NATIONAL LABORATORY
BUILDING 90-4000
BERKELEY, CA 94720

RYAN WISER
BERKELEY LAB
MS-90-4000
ONE CYCLOTRON ROAD
BERKELEY, CA 94720

CHRIS MARNAY
BERKELEY LAB
1 CYCLOTRON RD MS 90R4000
BERKELEY, CA 94720-8136

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

RITA NORTON
RITA NORTON AND ASSOCIATES, LLC
18700 BLYTHSWOOD DRIVE,
LOS GATOS, CA 95030

CARL PECHMAN
POWER ECONOMICS
901 CENTER STREET
SANTA CRUZ, CA 95060

KENNY SWAIN
POWER ECONOMICS
901 CENTER STREET
SANTA CRUZ, CA 95060

MAHLON ALDRIDGE
ECOLOGY ACTION
PO BOX 1188
SANTA CRUZ, CA 95060

RICHARD SMITH
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95352-4060

CHRISTOPHER J. MAYER
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95354

ROGER VAN HOY
MODESTO IRRIGATION DISTRICT
1231 11TH STREET
MODESTO, CA 95354

WES MONIER
STRATEGIC ISSUES AND PLANNING MANAGER
TURLOCK IRRIGATION DISTRICT
333 EAST CANAL DRIVE, PO BOX 949
TURLOCK, CA 95381-0949

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

JOHN R. REDDING
ARCTURUS ENERGY CONSULTING
44810 ROSEWOOD TERRACE
MENDOCINO, CA 95460

CLARK BERNIER
RLW ANALYTICS
1055 BROADWAY, SUITE G
SONOMA, CA 95476

RICHARD MCCANN, PH.D
M. CUBED
2655 PORTAGE BAY, SUITE 3
DAVIS, CA 95616

CAROLYN M. KEHREIN
ENERGY MANAGEMENT SERVICES
1505 DUNLAP COURT
DIXON, CA 95620-4208

CALIFORNIA ISO
LEGAL AND REGULATORY DEPARTMENT
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

GRANT ROSENBLUM, ESQ.
CALIFORNIA ISO
LEGAL AND REGULATORY DEPARTMENT
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

KAREN EDSON
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

ROBIN SMUTNY-JONES
CALIFORNIA ISO
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

SAEED FARROKHPAY
FEDERAL ENERGY REGULATORY COMMISSION
110 BLUE RAVINE RD., SUITE 107
FOLSOM, CA 95630

DAVID BRANCHCOMB
BRANCHCOMB ASSOCIATES, LLC
9360 OAKTREE LANE
ORANGEVILLE, CA 95662

KIRBY DUSEL
NAVIGANT CONSULTING, INC.
3100 ZINFANDEL DRIVE, SUITE 600
RANCHO CORDOVA, CA 95670

LAURIE PARK
NAVIGANT CONSULTING, INC.
3100 ZINFANDEL DRIVE, SUITE 600
RANCHO CORDOVA, CA 95670-6078

SCOTT TOMASHEFSKY
NORTHERN CALIFORNIA POWER AGENCY
180 CIRBY WAY
ROSEVILLE, CA 95678-6420

ELLEN WOLFE
RESERO CONSULTING
9289 SHADOW BROOK PL.
GRANITE BAY, CA 95746

AUDRA HARTMANN
980 NINTH STREET, SUITE 2130
SACRAMENTO, CA 95814

CURT BARRY
717 K STREET, SUITE 503
SACRAMENTO, CA 95814

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

LARRY HUNSAKER
AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95814

PATRICK STONER
PROGRAM DIRECTOR
LOCAL GOVERNMENT COMMISSION
1303 J STREET, SUITE 250
SACRAMENTO, CA 95814

RACHEL MCMAHON
CEERT
1100 11TH STREET, SUITE 311
SACRAMENTO, CA 95814

WEBSTER TASAT
AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95814

WEBSTER TASAT
AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95814

STEVEN KELLY
INDEPENDENT ENERGY PRODUCERS ASSN
1215 K STREET, SUITE 900
SACRAMENTO, CA 95814-3947

EDWARD J. TIEDEMANN
ATTORNEY AT LAW
KRONICK, MOSKOVITZ, TIEDEMANN & GIRARD
400 CAPITOL MALL, 27TH FLOOR
SACRAMENTO, CA 95814-4416

LYNN HAUG
ELLISON, SCHNEIDER & HARRIS, LLP
2015 H STREET
SACRAMENTO, CA 95816

OBADIAH BARTHOLOMY
MECHANICAL ENGINEER
SACRAMENTO MUNICIPAL UTILITY DISTRICT
M.S. B257
6201 S. STREET
SACRAMENTO, CA 95817

BUD BEEBE
SACRAMENTO MUNICIPAL UTIL DIST
MS B257
6201 S STREET
SACRAMENTO, CA 95817-1899

BALWANT S. PUREWAL
DEPARTMENT OF WATER RESOURCES
3310 EL CAMINO AVE., LL-90
SACRAMENTO, CA 95821

DOUGLAS MACMULLLEN
CHIEF, POWER PLANNING SECTION
CA DEPARTMENT OF WATER RESOURCES
3310 EL CAMINO AVE., ROOM 356
SACRAMENTO, CA 95821

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

KAREN LINDH
LINDH & ASSOCIATES
7909 WALERGA ROAD, NO. 112, PMB 119
ANTELOPE, CA 95843

DENISE HILL
DIRECTOR
4004 KRUSE WAY PLACE, SUITE 150
LAKE OSWEGO, OR 97035

ANNIE STANGE
ALCANTAR & KAHL
1300 SW FIFTH AVE., SUITE 1750
PORTLAND, OR 97201

ELIZABETH WESTBY
ALCANTAR & KAHL, LLP
1300 SW FIFTH AVENUE, SUITE 1750
PORTLAND, OR 97201

ALEXIA C. KELLY
THE CLIMATE TRUST
65 SW YAMHILL STREET, SUITE 400
PORTLAND, OR 97204

ALAN COMNES
WEST COAST POWER
3934 SE ASH STREET
PORTLAND, OR 97214

KYLE SILON
ECOSECURITIES CONSULTING LIMITED
529 SE GRAND AVENUE
PORTLAND, OR 97214

CATHIE ALLEN
CA STATE MGR.
PACIFICORP
825 NE MULTNOMAH STREET, SUITE 2000
PORTLAND, OR 97232

PHIL CARVER
OREGON DEPARTMENT OF ENERGY
625 MARION ST., NE
SALEM, OR 97301-3737

SAM SADLER
OREGON DEPARTMENT OF ENERGY
625 NE MARION STREET
SALEM, OR 97301-3737

LISA SCHWARTZ
SENIOR ANALYST
ORGEON PUBLIC UTILITY COMMISSION
PO BOX 2148
SALEM, OR 97308-2148

CLARE BREIDENICH
224 1/2 24TH AVENUE EAST
SEATTLE, WA 98112

JESUS ARREDONDO
NRG ENERGY INC.
4600 CARLSBAD BLVD.
CARLSBAD, CA 99208

KAREN MCDONALD
POWEREX CORPORATION
1400,
666 BURRAND STREET
VANCOUVER, BC V6C 2X8
CANADA

State Service

JAMES LOEWEN
CALIF PUBLIC UTILITIES COMMISSION
RATEMAKING BRANCH
320 WEST 4TH STREET SUITE 500
LOS ANGELES, CA 90013

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

ANNE GILLETTE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CHARLOTTE TERKEURST
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 5117
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

CHRISTINE S. TAM
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY RESOURCES & PRICING BRANCH
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

DONALD R. SMITH
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY RESOURCES & PRICING BRANCH
ROOM 4209
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

ED MOLDAVSKY
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5130
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

EUGENE CADENASSO
CALIF PUBLIC UTILITIES COMMISSION
RATEMAKING BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

HARVEY Y. MORRIS
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5036
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JACLYN MARKS
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5306
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JEORGE S. TAGNIPES
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JOEL T. PERLSTEIN
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5133
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JONATHAN LAKRITZ
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 5020
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JUDITH IKLE
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
ROOM 4012
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

JULIE A. FITCH
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF STRATEGIC PLANNING
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

KRISTIN RALFF DOUGLAS
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF STRATEGIC PLANNING
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

LAINIE MOTAMEDI
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF STRATEGIC PLANNING
ROOM 5119
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MATTHEW DEAL
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

MEG GOTTSTEIN
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF ADMINISTRATIVE LAW JUDGES
ROOM 2106
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

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

NANCY RYAN
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5217
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

PAMELA WELLNER
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

PAUL S. PHILLIPS
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY RESOURCES & PRICING BRANCH
ROOM 4101
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

RAHMON MOMOH
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY RESOURCES & PRICING BRANCH
ROOM 4205
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

SARA M. KAMINS
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

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

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

SUZY HONG
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 5037
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

THERESA CHO
CALIF PUBLIC UTILITIES COMMISSION
EXECUTIVE DIVISION
ROOM 5207
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

TIM G. DREW
CALIF PUBLIC UTILITIES COMMISSION
ENERGY RESOURCES BRANCH
AREA 4-A
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214

BILL LOCKYER
STATE ATTORNEY GENERAL
STATE OF CALIFORNIA, DEPT OF JUSTICE
PO BOX 944255
SACRAMENTO, CA 94244-2550

KEN ALEX
PO BOX 944255
1300 I STREET, SUITE 125
SACRAMENTO, CA 94244-2550

JUDITH B. SANDERS
ATTORNEY AT LAW
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

JULIE GILL
EXTERNAL AFFAIRS MANAGER
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

MARY MCDONALD
DIRECTOR OF STATE AFFAIRS
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

PHILIP D. PETTINGILL
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
151 BLUE RAVINE ROAD
FOLSOM, CA 95630

MICHAEL SCHEIBLE
DEPUTY EXECUTIVE OFFICER
CALIFORNIA AIR RESOURCES BOARD
1001 I STREET
SACRAMENTO, CA 95677

MEG GOTTSTEIN
ADMINISTRATIVE LAW JUDGE
PO BOX 210/21496 NATIONAL STREET
VOLCANO, CA 95689

PAM BURMICH
AIR RESOURCES BOAD
1001 I STREET, BOX 2815
SACRAMENTO, CA 95812

B. B. BLEVINS
EXECUTIVE DIRECTOR
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS-39
SACRAMENTO, CA 95814

DEBORAH SLON
DEPUTY ATTORNEY GENERAL, ENVIRONMENT
OFFICE OF THE ATTORNEY GENERAL
1300 I STREET, 15TH FLOOR
SACRAMENTO, CA 95814

DON SCHULTZ
CALIF PUBLIC UTILITIES COMMISSION
ELECTRICITY RESOURCES & PRICING BRANCH
770 L STREET, SUITE 1050
SACRAMENTO, CA 95814

KAREN GRIFFIN
EXECUTIVE OFFICE
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET, MS 39
SACRAMENTO, CA 95814

LISA DECARLO
STAFF COUNSEL
CALIFORNIA ENERGY COMMISSION
1516 9TH STREET MS-14
SACRAMENTO, CA 95814

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

PIERRE H. DUVAIR
CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET, MS-41
SACRAMENTO, CA 95814

WADE MCCARTNEY
CALIF PUBLIC UTILITIES COMMISSION
DIVISION OF STRATEGIC PLANNING
770 L STREET, SUITE 1050
SACRAMENTO, CA 95814

ANDREW ULMER
STAFF COUNSEL
CALIFORNIA DEPARTMENT OF WATER RESOURCES
3310 EL CAMINO AVENUE, SUITE 120
SACRAMENTO, CA 95821

CAROL J. HURLOCK
CALIFORNIA DEPT. OF WATER RESOURCES
JOINT OPERATIONS CENTER
3310 EL CAMINO AVE. RM 300
SACRAMENTO, CA 95821

HOLLY B. CRONIN
STATE WATER PROJECT OPERATIONS DIV
CALIFORNIA DEPARTMENT OF WATER RESOURCES
3310 EL CAMINO AVE., LL-90
SACRAMENTO, CA 95821