

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

Order Instituting Rulemaking to Integrate and)	
Refine Procurement Policies and Consider)	R. 10-05-006
Long-Term Procurement Plans)	
<hr/>		

**RESPONSE OF THE
CALIFORNIA WIND ENERGY ASSOCIATION
TO THE MOTION OF THE INVESTOR-OWNED UTILITIES
AND THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR
TO REVISE THE TRACK 1 PROCEDURAL SCHEDULE**

R. Thomas Beach
Crossborder Energy
2560 Ninth Street, Suite 213A
Berkeley, California 94710
Telephone: 510-549-6922
E-mail: tomb@crossborderenergy.com

Dariush Shirmohammadi
Transmission Advisor
California Wind Energy Association
2560 Ninth Street, Suite 213A
Berkeley, California 94710
Telephone: (310) 858-1174
E-mail: Dariush@shirconsultants.com

On behalf of
CALIFORNIA WIND ENERGY ASSOCIATION

May 23, 2011

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

Order Instituting Rulemaking to Integrate and)
Refine Procurement Policies and Consider) R. 10-05-006
Long-Term Procurement Plans)
_____)

**RESPONSE OF THE
CALIFORNIA WIND ENERGY ASSOCIATION
TO THE MOTION OF THE INVESTOR-OWNED UTILITIES
AND THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR
TO REVISE THE TRACK 1 PROCEDURAL SCHEDULE**

The California Wind Energy Association (CalWEA) respectfully provides the following response to the motion (Motion) filed on May 18, 2011 by the California Independent System Operator (CAISO) and by Pacific Gas and Electric Company (PG&E), Southern California Edison Company (SCE), and San Diego Gas & Electric Company (SDG&E) (collectively, the IOUs). The Motion seeks a change to the procedural schedule for the service of testimony in Track 1 of this proceeding. The IOUs and the CAISO request this change in order to allow them additional time to correct errors in and to complete the modeling of the scenarios for the 2020 Renewable Portfolio Standard (RPS) that the Commission has requested in this proceeding. The IOUs and CAISO have asked for responses to their motion by May 23, 2011. CalWEA provides this written response on the schedule requested by the IOUs and the CAISO, as CalWEA supports this important request, as discussed below. CalWEA also may have a scheduling conflict that will prevent its attendance at the hearing that ALJ Allen has scheduled for tomorrow to hear arguments on the Motion.

CalWEA acknowledges and appreciates the substantial efforts that the IOUs and the CAISO have invested in modeling the operational requirements of the four scenarios for a 33%

RPS in 2020. CalWEA agrees with the IOUs and the CAISO that this effort has been very beneficial in developing and improving the analytic tools for analyzing renewables integration issues and in identifying the important issues that need to be answered before the Commission can find with confidence that the state has the resources necessary to efficiently integrate 33% renewables. CalWEA agrees that the IOUs and the CAISO should have the additional time which they have requested, in part to correct the problems that have been identified with the modeling performed to date, as summarized in the revisions listed in Attachment A to the Motion. In addition, as discussed further below, CalWEA continues to be concerned that the CAISO and the IOUs are making overly conservative and, at times, incorrect assumptions in determining the system's load following requirements. Accordingly, the IOUs and the CAISO also should, at a minimum, run sensitivity cases with more appropriate assumptions so that all parties can evaluate the impact of these important modeling choices. Providing the time to complete these sensitivities is another important reason to extend the Track 1 schedule. As a result, CalWEA supports the IOU / CAISO motion to revise the Track 1 procedural schedule, with the observations and caveats discussed herein.

As one example of an assumption that should be modified, CalWEA submits that the CAISO's Step 1 determination of the load following requirements should not be calculated using one-hour renewable output forecast error, but using a 15-minute renewable output forecast error using a persistence method. The CAISO's current Real-Time Market is already capable of using 15-minute forecasts in its dispatch process, and thus it does not make sense for the CAISO to model a larger, one-hour forecast error for its Step 1 simulations. At a minimum, model runs under both sets of assumptions are needed in order to understand if this issue produces a significant change in the results.

As another example, CalWEA continues to object, as it has in past comments,¹ to modeling the load following requirement as an hourly capacity reservation for every hour of the Step 2 annual hourly production simulation runs, in the same way that reliability reserves such as regulation, spinning, and non-spinning reserves are treated. These reliability reserves are procured from generation capacity that is set aside specifically for those services, while the need for load following is satisfied with the same capacity that is used to address hourly load variations. We strongly believe that the study of the operational violations that may result from the inability of the system to meet its load following requirements should come from simulating the CAISO process that actually deals with load following capability, and that is the 5-minute dispatch mechanism in the CAISO's Real-Time Market (RTM). This issue could be addressed through shorter simulations of a few key weeks of the year. However, the CAISO continues to maintain that it cannot perform the proper simulation due to a lack of proper modeling resources. Alternatively, the CAISO could use more appropriate load following requirements in its simulation studies, or at least could examine such alternatives as sensitivity cases. In that regard, we believe that the following alternative assumptions are preferable, and need to be tested:

- There is no need for the CAISO to use, for every hour, the maximum monthly value of all same hour maximum load following up requirements (i.e. the max of the max). This is a very conservative assumption that will unnecessarily exaggerate system violation conditions.² Instead of using the highest of the maximum monthly load following up

¹ See, for example, the "Comments of the California Wind Energy Association on Renewable Integration Modeling Methodologies per ALJ Allen's Ruling of December 23, 2010" (filed January 14, 2011 in this docket), at 6-8 and 12-15. See also CalWEA's January 26, 2011 reply comments, at 5.

² The report issued in December 2010 by the Lawrence Berkeley National Lab and the National Renewable Energy Lab critiquing the CAISO's integration modeling – a report attached to the Ruling of December 23, 2010

requirements across all same hours of the month, the CAISO should use the maximum load following up requirement data that is specific to each hour.

- CalWEA believes that the CAISO should not model load following down as a capacity reservation at all, because having to reserve separate capacity for load following down is like saying the generation capacity that is reducing output in response to hourly dispatch signals somehow cannot respond to 5-minute dispatch signals to lower output within the hour. This is an incorrect assumption, as the response that the generators provide to the hourly dispatch signal comes from a 5-minute dispatch signal itself. However, if the CAISO continues to believe that it needs to reserve capacity for the load following down requirement, the CAISO should not use the maximum (95%) figure for every hour. Given that load following does not require a separate capacity reservation, we believe that a number closer to the 50th percentile requirement would be more realistic.
- At a minimum, the CAISO should separate weekday from weekend operation for calculating the monthly maximum of the maximum hourly load following requirements, as the daily load profile during weekdays and weekends are quite different.

CalWEA's final concern is that there is no justification for placing additional operational limitations in the year 2020 on the pumping operation of PG&E's Helms pumped-storage hydro power plant, as proposed in the latest set of study assumption changes which the CAISO lists in Attachment A to the Motion. The CAISO's transmission plans envision that the transmission upgrades (or other measures) necessary to remove all pumping restrictions at Helms will be in place by 2020.

in this docket – raises the same issue, and observes on page 6 that the CAISO's use of the seasonal maximum flexibility requirement in all hours of a season “can lead to a situation where reserves are held in the models in preparation for conditions that are not physically possible.”

In conclusion, CalWEA shares the view of many parties, expressed in previous comments in this case, that the Commission should not expect the modeling of a 33% RPS in this proceeding to produce a definitive resolution of the operational requirements for a 33% RPS in 2020, a full decade in the future. A much more realistic outcome is a better set of tools to analyze those requirements and an understanding of how different input assumptions and modeling choices affect the modeled results. To achieve these realistic goals, however, the modeling needs to investigate, using well-chosen sensitivity analyses, a variety of input and modeling assumptions. CalWEA has delineated above several of the alternatives that need to be considered by the IOUs and the CAISO, with the results reported in their upcoming testimony. CalWEA urges the Commission to provide the IOUs and the CAISO with the time, and the direction to investigate important sensitivities, which are necessary to produce modeling results that will be useful to the Commission in this important case.

Respectfully submitted,

/ s / R. Thomas Beach

R. Thomas Beach
Crossborder Energy
2560 Ninth Street, Suite 213A
Berkeley, California 94710
Telephone: 510-549-6922
E-mail: tomb@crossborderenergy.com

Dariush Shirmohammadi
Transmission Advisor
California Wind Energy Association
2560 Ninth Street, Suite 213A
Berkeley, California 94710
Telephone: (310) 858-1174
E-mail: Dariush@shirconsultants.com

On behalf of
CALIFORNIA WIND ENERGY ASSOCIATION

May 23, 2011

CERTIFICATE OF SERVICE

I hereby certify that I have this day caused to be served a copy of the foregoing document, **RESPONSE OF THE CALIFORNIA WIND ENERGY ASSOCIATION TO THE MOTION OF THE INVESTOR-OWNED UTILITIES AND THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR TO REVISE THE TRACK 1 PROCEDURAL SCHEDULE**, by Electronic Mail where possible and First-Class Mail where not, on all known parties to R. 10-05-006, named on the service list attached to the original certificate of this document pursuant to the Commission's Rules of Practice and Procedure.

I declare under penalty of perjury that the foregoing is true and correct.

Executed at Berkeley, California, Wednesday, May 25, 2011.

/s/ Christa Goldblatt

Christa Goldblatt



California Public
Utilities Commission

CPUC Home

CALIFORNIA PUBLIC UTILITIES COMMISSION

Service Lists

PROCEEDING: R1005006 - CPUC - OIR TO INTEGR
FILER: CPUC
LIST NAME: LIST
LAST CHANGED: MAY 23, 2011

[DOWNLOAD THE COMMA-DELIMITED FILE](#)
[ABOUT COMMA-DELIMITED FILES](#)

[Back to Service Lists Index](#)

Parties

AUDREY CHANG
 CA ENERGY EFFICIENCY INDUSTRY COUNCIL
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: CALIFORNIA ENERGY EFFICIENCY
 INDUSTRY COUNCIL

DANIEL W. DOUGLASS
 DOUGLASS & LIDDELL
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: WESTERN POWER TRADING FORUM /
 DIRECT ACCESS CUSTOMER
 COALITION/ALLIANCE FOR RETAIL ENERGY
 MARKETS/ MARIN ENERGY AUTHORITY

DONALD C. LIDDELL
 DOUGLASS & LIDDELL
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: THE CALIFORNIA ENERGY STORAGE
 ALLIANCE

JOSHUA ARCE
 BRIGHTLINE DEFENSE PROJECT
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: BRIGHTLINE DEFENSE PROJECT

JULIE GILL
 AES SOUTHLAND
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: AES

KENNETH SAHM WHITE
 FIT COALITION
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: FIT COALITION

KRISTIN BURFORD
 LARGE-SCALE SOLAR ASSOCIATION
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: LARGE SCALE SOLAR ASSOCIATION

L. JAN REID
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: L. JAN REID

SIERRA MARTINEZ
 NATURAL RESOURCES DEFENSE COUNCIL
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: NATURAL RESOURCES DEFENSE COUNCIL

SUE MARA
 RTO ADVISORS, LLC
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: RTO ADVISORS, LLC

TAM HUNT
 HUNT CONSULTING
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: CLEAN COALITION

LAURA WISLAND
 UNION OF CONCERNED SCIENTISTS
 EMAIL ONLY
 EMAIL ONLY, CA 00000-0000
 FOR: UNION OF CONCERNED SCIENTISTS

MARTIN HOMEC
 EMAIL ONLY
 EMAIL ONLY, CA 00000-0000
 FOR: WOMEN'S ENERGY MATTERS

NANCY RADER
 EXECUTIVE DIRECTOR
 CALIFORNIA WIND ENERGY ASSOCIATION
 EMAIL ONLY
 EMAIL ONLY, CA 00000-0000
 FOR: CALIFORNIA WIND ENERGY ASSOCIATION

ABRAHAM SILVERMAN
 SR. COUNSEL, REGULATORY
 NRG ENERGY, INC.
 211 CARNEGIE CENTER DRIVE
 PRINCETON, NJ 08540
 FOR: NRG ENERGY, INC.

B. MARIE PIENIAZEK
 DEMAND RESPONSE & ENERGY CONSULTING, LLC
 1328 BOZENKILL ROAD
 DELANSON, NY 12053
 FOR: ENERGY CURTAILMENT SPECIALISTS INC.

MELISSA DORN
 MCDERMOTT WILL & EMERY LLP
 600 13TH ST. NW
 WASHINGTON, DC 20005
 FOR: MORGAN STANLEY CAPITAL GROUP INC.

JAMES P. WHITE
 TRANSCANADA CORPORATION
 4547 RINCON PLACE
 MONTCLAIR, VA 22025
 FOR: ZEPHYR POWER TRANSMISSION, LLC

JASON ARMENTA
 CALPINE POWERAMERICA-CA, LLC
 717 TEXAS AVENUE, SUITE 1000
 HOUSTON, TX 77002
 FOR: CALPINE POWERAMERICA-CA, LLC

BO BUCHYNSKY
 DIAMOND GENERATING CORPORATION
 333 SOUTH GRAND AVE., SUITE 1570
 LOS ANGELES, CA 90071
 FOR: DIAMOND GENERATING CORPORATION

JERRY R. BLOOM
 WINSTON & STRAWN, LLP
 333 SOUTH GRAND AVENUE, 38TH FLOOR
 LOS ANGELES, CA 90071-1543
 FOR: CALIFORNIA COGENERATION COUNCIL

CAROL SCHMID-FRAZEE
 SOUTHERN CALIFORNIA EDISON CO.
 2244 WALNUT GROVE AVE./PO BOX 800
 ROSEMEAD, CA 91770
 FOR: SOUTHERN CALIFORNIA EDISON COMPANY

MARY C. HOFFMAN
 PRESIDENT
 SOLUTIONS FOR UTILITIES, INC.
 1192 SUNSET DRIVE
 VISTA, CA 92081
 FOR: SOLUTIONS FOR UTILITIES, INC.

AIMEE SMITH
 SAN DIEGO GAS & ELECTRIC COMPANY
 101 ASH STREET, HQ-12
 SAN DIEGO, CA 92101
 FOR: SAN DIEGO GAS & ELECTRIC COMPANY

DANIEL A. KING

MONA TIERNEY-LLOYD

SEMPRA GENERATION
101 ASH STREET, HQ 14
SAN DIEGO, CA 92101
FOR: SEMPRA GENERATION

SENIOR MANAGER WESTERN REG. AFFAIRS
ENERNOC, INC.
PO BOX 378
CAYUCOS, CA 93430
FOR: ENERNOC, INC.

EVELYN KAHL
ALCANTAR & KAHL, LLP
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94015
FOR: ENERGY PRODUCERS AND USERS
COALITION

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

NOEL OBIORA
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4107
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DIVISION OF RATEPAYER ADVOCATES

MARYBELLE C. ANG
STAFF ATTORNEY
THE UTILITY REFORM NETWORK
115 SANSOME STREET, STE. 900
SAN FRANCISCO, CA 94104
FOR: TURN

TIM LINDL
ALCANTAR & KAHL
33 NEW MONTGOMERY ST., STE. 1850
SAN FRANCISCO, CA 94105
FOR: COGENERATION ASSOCIATION OF
CALIFORNIA/ENERGG PRODUCERS AND USERS
COALITION

DEBORAH N. BEHLES
GOLDEN GATE UNIVERSITY SCHOOL OF LAW
536 MISSION STREET
SAN FRANCISCO, CA 94105-2968
FOR: NNHEIM

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

STEVEN F. GREENWALD
ATTORNEY AT LAW
DAVIS WRIGHT TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111
FOR: CAPITAL POWER CORPORATION

VIDHYA PRABHAKARAN
DAVIS WRIGHT & TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111
FOR: CALIFORNIA PACIFIC ELECTRIC
COMPANY LLC

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

LISA A. COTTLE
WINSTON & STRAWN LLP
101 CALIFORNIA STREET, 39TH FLOOR
SAN FRANCISCO, CA 94114
FOR: MIRANT CALIFORNIA, LLC

CHARLES R. MIDDLEKAUFF
ATTORNEY AT LAW
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, B30A
SAN FRANCISCO, CA 94120
FOR: PACIFIC GAS AND ELECTRIC COMPANY

SARA STECK MYERS
ATTORNEY AT LAW
122 - 28TH AVENUE
SAN FRANCISCO, CA 94121
FOR: CENTER FOR ENERGY EFFICIENCY AND

MICHAEL ROCHMAN
MANAGING DIRECTOR
SCHOOL PROJECT UTILITY RATE REDUCTION
1850 GATEWAY BLVD., STE. 235
CONCORD, CA 94520

RENEWABLE TECHNOLOGIES (CEERT)

FOR: SCHOOL PROJECT FOR UTILITY RATE
REDUCTION

JENNIFER CHAMBERLIN
LS POWER DEVELOPMENT, LLC
5000 HOPYARD ROAD, SUITE 480
PLEASANTON, CA 94588
FOR: LS POWER ASSOCIATES, L.P.

WILLIAM H. BOOTH
LAW OFFICES OF WILLIAM H. BOOTH
67 CARR DRIVE
MORAGA, CA 94596
FOR: CALIFORNIA LARGE ENERGY CONSUMERS
ASSOCIATION (CLECA)

JOSEPH F. WIEDMAN
KEYES & FOX LLP
436 14TH STREET, SUITE 1305
OAKLAND, CA 94612
FOR: INTERSTATE RENEWABLE ENERGY COUNCIL

PAUL CORT
EARTHJUSTICE
426 17TH STREET, 5TH FLOOR
OAKLAND, CA 94612
FOR: SIERRA CLUB CALIFORNIA

SHANA LAZEROW
ATTORNEY
COMMUNITIES FOR BETTER ENVIRONMENT
1904 FRANKLIN STREET, STE 600
OAKLAND, CA 94612
FOR: COMMUNITIES FOR A BETTER
ENVIRONMENT

WILLIAM B. ROSTOV
EARTHJUSTICE
426 17TH STREET, 5TH FLOOR
OAKLAND, CA 94612
FOR: SIERRA CLUB CALIFORNIA

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

JASMIN ANSAR
UNION OF CONCERNED SCIENTISTS
2397 SHATTUCK AVENUE, SUITE 203
BERKELEY, CA 94704
FOR: UNION OF CONCERNED SCIENTISTS

LINDA AGERTER
51 PARKSIDE DRIVE
BERKELEY, CA 94705
FOR: LARGE-SCALE SOLAR ASSOCIATION

R. THOMAS BEACH
CALIFORNIA COGENERATION COUNCIL
2560 NINTH STREET, SUITE 213A
BERKELEY, CA 94710-2557
FOR: CALIFORNIA COGENERATION COUNCIL
(CCC) / CALIFORNIA WIND ENERGY
ASSOCIATION

MICHAEL E. BOYD
PRESIDENT
CALIFORNIANS FOR RENEWABLE ENERGY, INC.
5439 SOQUEL DRIVE
SOQUEL, CA 95073-2659
FOR: CALIFORNIANS FOR RENEWABLE ENERGY

JUDITH B. SANDERS
SR. COUNSEL
CALIF. INDEPENDENT SYSTEM OPERATOR CORP
151 BLUE RAVINE ROAD
FOLSOM, CA 95630
FOR: CALIFORNIA INDEPENDENT SYSTEM
OPERATOR CORPORATION

KELLY M. FOLEY
ATTORNEY
THE VOTE SOLAR INITIATIVE
2089 TRACY COURT
FOLSOM, CA 95630
FOR: THE VOTE SOLAR INITIATIVE

SYDNEY MANHEIM DAVIES
CALIFORNIA INDEPENDENT SYSTEM OPERATOR
151 BLUE RAVINE ROAD
FOLSOM, CA 95630
FOR: CALIFORNIA INDEPENDENT SYSTEM
OPERATOR

ROBERT E. BURT
 INSULATION CONTRACTORS ASSN.
 3479 ORANGE GROVE AVE., STE. A
 NORTH HIGHLANDS, CA 95660
 FOR: INSULATION CONTRACTORS ASSN.

CAROLYN M. KEHREIN
 ENERGY MANAGEMENT SERVICES
 2602 CELEBRATION WAY
 WOODLAND, CA 95776
 FOR: ENERGY USERS FORUM

ANDREW B. BROWN
 ELLISON SCHNEIDER & HARRIS, L.L.P.
 2600 CAPITAL AVENUE, SUITE 400
 SACRAMENTO, CA 95816-5905
 FOR: CONSTELLATION NEWENERGY, INC.

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

DONALD E. BROOKHYSER
 ATTORNEY AT LAW
 ALCANTAR & KAHL
 1300 S.W. FIFTH AVENUE, SUITE 1750
 PORTLAND, OR 97201
 FOR: COGENERATION ASSN. OF CALIFORNIA

Information Only

AMBER MAHONE
 ENERGY AND ENVIRONMENTAL ECONOMICS
 EMAIL ONLY
 EMAIL ONLY, CA 00000

ANDRA PLIGAVKO
 FIRST SOLAR DEVELOPMENT, INC.
 EMAIL ONLY
 EMAIL ONLY, CA 00000

ANDRES PACHECO
 RECURRENT ENERGY
 EMAIL ONLY
 EMAIL ONLY, CA 00000

BETH VAUGHAN
 CALIFORNIA COGENERATION COUNCIL
 EMAIL ONLY
 EMAIL ONLY, CA 00000

DANIEL PATRY
 PACIFIC GAS AND ELECTRIC COMPANY
 EMAIL ONLY
 EMAIL ONLY, CA 00000

GENE VARANINI
 SPECIAL COUNSEL
 DEMAND RESERVES PARTNERSHIP
 EMAIL ONLY
 EMAIL ONLY, CA 00000

JESSIE BAIRD
 EARTHJUSTICE
 EMAIL ONLY
 EMAIL ONLY, CA 00000

JOHN W. LESLIE, ESQ.
 LUCE, FORWARD, HAMILTON & SCRIPPS, LLP
 EMAIL ONLY
 EMAIL ONLY, CA 00000

LAKSHMI ALAGAPPAN
 ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
 EMAIL ONLY
 EMAIL ONLY, CA 00000
 FOR: ENERGY AND ENVIRONMENTAL
 ECONOMICS, INC. (E3)

MALCOLM D. AINSPAN
 ENERGY CURTAILMENT SPECIALISTS
 EMAIL ONLY
 EMAIL ONLY, NY 00000

MATTHEW FREEDMAN
 THE UTILITY REFORM NETWORK

NOAH LONG
 NATURAL RESOURCES DEFENSE COUNCIL

EMAIL ONLY
EMAIL ONLY, CA 00000

EMAIL ONLY
EMAIL ONLY, CA 00000

STEVEN KELLY
INDEPENDENT ENERGY PRODUCERS ASSOCIATION
EMAIL ONLY
EMAIL ONLY, CA 00000

LEGAL & REGULATORY DEPARTMENT
CALIFORNIA ISO
EMAIL ONLY
EMAIL ONLY, CA 00000

DAVIS WRIGHT TREMAINE LLP
EMAIL ONLY
EMAIL ONLY, CA 00000

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

CURTIS KEBLER
SEMPRA GENERATION
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

CYNTHIA BRADY
CONSTELLATION ENERGY RESOURCES, LLC
EMAIL ONLY
EMAIL ONLY, IL 00000-0000

DONALD GILLIGAN
NATIONAL ASSC. OF ENERGY SVC. COMPANIES
EMAIL ONLY
EMAIL ONLY, DC 00000-0000
FOR: NATIONAL ASSOCIATION OF ENERGY
SERVICE COMPANIES

IAN MCGOWAN
MANAGER - REGULATORY AFFAIRS
3DEGREES
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

JOHN NIMMONS
JOHN NIMMONS & ASSOCIATES, INC.
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

MELISSA SCHARY
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

MICHAEL O'KEEFE
CAL. ENERGY EFFICIENCY INDUSTRY COUNCIL
EMAIL ONLY
EMAIL ONLY, CA 00000-0000

MICHELLE GRANT
DYNEGY, INC.
EMAIL ONLY
EMAIL ONLY, TX 00000-0000

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

MICHAEL A. YUFFEE
HOGAN LOVELLS
555 13TH ST., N.W.
WASHINGTON, DC 20004

STEVEN A. WEILER
LEONARD STREET AND DEINARD, PA
1350 I STREET, NW, STE. 800
WASHINGTON, DC 20005
FOR: ZEPHYR POWER TRANSMISSION, LLC

KEVIN J. SIMONSEN
ENERGY MANAGEMENT SERVICES
646 E. THIRD AVE.
DURANGO, CA 81301

CAITLIN COLLINS LIOTIRIS
ENERGY STRATEGIES, LLC
215 SOUTH STATE STREET, STE 200
SALT LAKE CITY, UT 84111

JUSTIN FARR
ENERGY STRATEGIES, LLC
215 SOUTH STATE ST., STE. 200
SALT LAKE CITY, UT 84111

CYNTHIA K. MITCHELL
ENERGY ECONOMICS, INC.

HANS LAETZ, J.D.
ZUMA IMPACT LLC

530 COLGATE COURT
RENO, NV 89503

6402 SURFSIDE WAY
MALIBU, CA 90265

FRED MOBASHERI
CONSULTANT
ELECTRIC POWER GROUP, LLC
201 SOUTH LAKE AVE., SUITE 400
PASADENA, CA 91101

AMBER DEAN WYATT
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

CASE ADMINISTRATION
AMBER WYATT
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE. / PO BOX 800
ROSEMEAD, CA 91770

MELISSA HOVSEPIAN
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVE.
ROSEMEAD, CA 91770

RICH METTLING
SOUTHERN CALIFORNIA EDISON COMPANY
2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770

GREG BASS
NOBLE AMERICAS ENERGY SOLUTIONS LLC
401 WEST A STREET, SUITE 500
SAN DIEGO, CA 92101-3017

JOHN A. PACHECO
SAN DIEGO GAS & ELECTRIC COMPANY
101 ASH STREET, HQ12B
SAN DIEGO, CA 92101-3017

WENDY KEILANI
REGULATORY CASE MGR
SAN DIEGO GAS & ELECTRIC COMPANY
8330 CENTURY PARK COURT, CP32D
SAN DIEGO, CA 92123

CENTRAL FILES
SAN DIEGO GAS AND ELECTRIC COMPANY
8330 CENTURY PARK CT, CP32D, RM CP31-E
SAN DIEGO, CA 92123-1530

RORY COX
RATEPAYERS FOR AFFORDABLE CLEAN ENERGY
251 KEARNY STREET, 2ND FLOOR
SAN FRANCISCO, CA 94102
FOR: PACIFIC ENVIRONMENT

CHARLYN A. HOOK
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4107
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DIVISION OF RATEPAYER ADVOCATES

KAREN P. PAULL
CALIF PUBLIC UTILITIES COMMISSION
LEGAL DIVISION
ROOM 4300
505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3214
FOR: DRA

MARCEL HAWIGER
ENERGY ATTY
THE UTILITY REFORM NETWORK
115 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94104

ALEX BECK
COMPETITIVE POWER VENTURES, INC.
55 2ND STREET, SUITE 525
SAN FRANCISCO, CA 94105

ALICE GONG
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE ST. MC B9A
SAN FRANCISCO, CA 94105

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

CHRISTINE MUNCE
PACIFIC GAS AND ELECTRIC COMPANY

EVAN HOUSE
GOLDEN GATE UNIVERSITY SCHOOL OF LAW

77 BEALE ST., MC B9A
SAN FRANCISCO, CA 94105

536 MISSION STREET
SAN FRANCISCO, CA 94105

GEORGE ZAHARIUDAKIS
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, RM. 904, MC B9A
SAN FRANCISCO, CA 94105

GLORIA D. SMITH
SIERRA CLUB ENVIRONMENTAL LAW PROGRAM
85 SECOND STREET
SAN FRANCISCO, CA 94105

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

KEVIN HIETBRINK
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE ST., MC B9A
SAN FRANCISCO, CA 94105

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

LUCAS WILLIAMS
GOLDEN GATE UNIVERSITY SCHOOL OF LAW
536 MISSION STREET
SAN FRANCISCO, CA 94105
FOR: PACIFIC ENVIRONMENT

MATTHEW GONZALES
PACIFIC GAS AND ELECTRIC COMPANY
77 BEALE STREET, ROOM 918
SAN FRANCISCO, CA 94105

MICHAEL P. ALCANTAR
ALCANTAR & KAHL LLP
33 NEW MONTGOMERY STREET, SUITE 1850
SAN FRANCISCO, CA 94105
FOR: COGENERATION ASSOCIATION OF CALIFORNIA

WILLIAM MITCHELL
COMPETITIVE POWER VENTURES, INC.
55 2ND STREET, SUITE 525
SAN FRANCISCO, CA 94105

ADAM BROWNING
THE VOTE SOLAR INITIATIVE
300 BRANNAN STREET, SUITE 609
SAN FRANCISCO, CA 94107
FOR: THE VOTE SOLAR INITIATIVE

STEPHANIE WANG
ATTORNEY AT LAW
PACIFIC ENVIRONMENT
251 KEARNY STREET, 2ND FLOOR
SAN FRANCISCO, CA 94108
FOR: PACIFIC ENVIRONMENT

DEVIN MCDONELL
BINGHAM MCCUTCHEN
THREE EMBARCADERO CENTER
SAN FRANCISCO, CA 94111

JAMES D. SQUERI, ESQ.
GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY
505 SANSOME STREET, SUITE 900
SAN FRANCISCO, CA 94111
FOR: POWEREX CORPORATION

JAMES L. FILIPPI
NEXTLIGHT RENEWABLE POWER, LLC
353 SACRAMENTO STREET, SUITE 2100
SAN FRANCISCO, CA 94111

RAFI HASSAN
SUSQUEHANNA FINANCIAL GROUP, LLLP
101 CALIFORNIA STREET, SUITE 3250
SAN FRANCISCO, CA 94111

ROBERT GEX
DAVIS WRIGHT TREMAINE LLP
505 MONTGOMERY STREET, SUITE 800
SAN FRANCISCO, CA 94111

TODD EDMISTER
ATTORNEY AT LAW
BINGHAM MCCUTCHEN LLP

DIANE I. FELLMAN
DIR - REGULATORY & GOV'T AFFAIRS
NRG WEST & SOLAR

THREE EMBARCADERO CENTER
SAN FRANCISCO, CA 94111-4067

73 DOWNEY STREET
SAN FRANCISCO, CA 94117

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

REGULATORY FILE ROOM
PACIFIC GAS AND ELECTRIC COMPANY
PO BOX 7442
SAN FRANCISCO, CA 94120

RYAN HEIDARI
ENDIMENSIONS LLC
1670 SOUTH AMPHLETT BLVD., SUITE 105
SAN MATEO, CA 94402

BRAD WETSTONE
ALAMEDA MUNICIPAL POWER
2000 GRAND STREET, PO BOX H
ALAMEDA, CA 94501-0263

GOPAL SHANKER
PRESIDENT
RECOLTE ENERGY
3901 LAKE COUNTY HIGHWAY
CALISTOGA, CA 94515
FOR: RECOLTE ENERGY

SEAN P. BEATTY
GENON CALIFORNIA NORTH LLC
696 WEST 10TH STREET
PITTSBURG, CA 94565

AVIS KOWALEWSKI
CALPINE CORPORATION
4160 DUBLIN BLVD., SUITE 100
DUBLIN, CA 94568

MATTHEW BARMACK
DIR
CALPINE CORPORATION
4360 DUBLIN BLVD., SUITE 100
DUBLIN, CA 94568

DOCKET COORDINATOR
KEYES & FOX LLP
436 14TH STREET, SUITE 1305
OAKLAND, CA 94612

SKY C. STANFIELD
KEYES & FOX LLP
436 14TH STREET, SUITE 1305
OAKLAND, CA 94612

DAVID MARCUS
ADAMS BROADWELL & JOSEPH
PO BOX 1287
BERKELEY, CA 94701-1287

REED V. SCHMIDT
BARTLE WELLS ASSOCIATES
1889 ALCATRAZ AVENUE
BERKELEY, CA 94703-2714
FOR: CALIFORNIA CITY-COUNTY STREET
LIGHT ASSOCIATION (CAL-SLA)

PATRICK G. MCGUIRE
CROSSBORDER ENERGY
2560 NINTH STREET, SUITE 316
BERKELEY, CA 94710

ELIZABETH RASMUSSEN
PROJECT MGR.
MARIN ENERGY AUTHORITY
781 LINCOLN AVENUE, SUITE 320
SAN RAFAEL, CA 94901

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

BRUCE PERLSTEIN, PH.D
MANAGING DIRECTOR
STRATEGY, FINANCE & ECONOMICS, LLC
366 EDGEWOOD AVENUE
MILL VALLEY, CA 94941

BARBARA GEORGE
WOMEN'S ENERGY MATTERS
PO BOX 548

PUSHKAR WAGLE, PH.D.
FLYNN RESOURCE CONSULTANTS INC.
2900 GORDON AVENUE, SUITE 100-3

FAIRFAX, CA 94978-0548

DEVRA WANG
STAFF SCIENTIST
NATURAL RESOURCES DEFENSE COUNCIL
111 SUTTER STREET, 20TH FLOOR
SAN FRANCISCO, CA 95104

BARBARA R. BARKOVICH
44810 ROSEWOOD TERRACE
MENDOCINO, CA 95460

WILLIAM B. MARCUS
CONSULTING ECONOMIST
JBS ENERGY, INC.
311 D STREET, SUITE A
WEST SACRAMENTO, CA 95605

BRIAN THEAKER
NRG ENERGY
3161 KEN DEREK LANE
PLACERVILLE, CA 95667

GRANT ROSENBLUM
CALIF. INDEPENDENT SYSTEM OPERATOR CORP.
151 BLUE RAVINE ROAD
FOLSOM, CA 95678

UDI HELMAN
CALIF. INDEPENDENT SYSTEM OPERATOR CORP.
151 BLUE RAVINE ROAD
FOLSOM, CA 95678

DANIEL KIM
THE ANTHEM GROUP
PO BOX 582844
ELK GROVE, CA 95758-0051

DAVID MILLER
RENEWABLE TECHNOLOGIES
CENTER FOR ENERGY EFFICIENCY AND
1100 ELEVENTH ST., SUITE 311
SACRAMENTO, CA 95814

GWENNETH O'HARA
CALIFORNIA POWER LAW GROUP
1215 K STREET, 17TH FLOOR
SACRAMENTO, CA 95814

SANTA CLARA, CA 95051

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

JAMES WEIL
DIRECTOR
AGLET CONSUMER ALLIANCE
PO BOX 1916
SEBASTOPOL, CA 95473

BETH ANN BURNS
SR. COUNSEL - LEGAL & REGULATORY DEPT
CALIFORNIA ISO
250 OUTCROPPING WAY
FOLSOM, CA 95630

MARY LYNCH
CONSTELLATION ENERGY COMMODITIES GRP
2377 GOLD MEADOW WAY, STE 100
GOLD RIVER, CA 95670

MARK ROTHLEDER
CALIF. INDEPENDENT SYSTEM OPERATOR CORP.
151 BLUE RAVINE ROAD
FOLSOM, CA 95678

RAY PINGLE
7140 STEEPLE CHASE DR.
SHINGLE SPRINGS, CA 95682

DANIELLE OSBORN MILLS
POLICY DIRECTOR
CEERT
1100 11TH STREET, SUITE 311
SACRAMENTO, CA 95814
FOR: CENTER FOR ENERGY EFFICIENCY AND
RENEWABLE TECHNOLOGIES (CEERT)

DOUGLAS DAVIE
WELLHEAD ELECTRIC COMPANY
650 BERECUT DRIVE, SUITE C
SACRAMENTO, CA 95814

JIM METROPULOS
SR. ADVOCATE
SIERRA CLUB CALIFORNIA
801 K STREET, SUITE 2700

SACRAMENTO, CA 95814

KEVIN WOODRUFF
WOODRUFF EXPERT SERVICES
1100 K STREET, SUITE 204
SACRAMENTO, CA 95814

MEGAN COX
CALIFORNIA POWER LAW GROUP
1215 K STREET, 17TH FLOOR
SACRAMENTO, CA 95814

SCOTT BLAISING
BRAUN BLAISING MCLAUGHLIN, P.C.
915 L STREET, SUITE 1270
SACRAMENTO, CA 95814

SHANNON EDDY
EXECUTIVE DIRECTOR
LARGE SCALE SOLAR ASSOCIATION
2501 PORTOLA WAY
SACRAMENTO, CA 95818
FOR: LARGE-SCALE SOLAR ASSOCIATION

ASHLEY SPALDING
ASPEN ENVIRONMENTAL GROUP
8801 FOLSOM BLVD., STE. 290
SACRAMENTO, CA 95826-3250

CARL LINVILL
ASPEN ENVIRONMENTAL GROUP
8801 FOLSOM BLVD., STE. 290
SACRAMENTO, CA 95826-3250

ANN L. TROWBRIDGE
ATTORNEY AT LAW
DAY CARTER MURPHY LLC
3620 AMERICAN RIVER DRIVE, SUITE 205
SACRAMENTO, CA 95864
FOR: CALIFORNIA CLEAN DG COALITION.

DIANA SANCHEZ
DAY CARTER & MURPHY LLP
3620 AMERICAN RIVER DRIVE, STE. 205
SACRAMENTO, CA 95864

CALIFORNIA PACIFIC ELECTRIC COMPANY, LLC
933 ELOISE AVENUE
SOUTH LAKE TAHOE, CA 96150

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

DONALD W. SCHOENBECK
RCS, INC.
900 WASHINGTON STREET, SUITE 780
VANCOUVER, WA 98660

JOHN DUNN
TRANSCANADA CORPORATION
450 1ST ST. S.W.
CALGARY, AB T2P 5H1
CANADA

MEREDITH LAMEY
TRANSCANADA CORPORATION
450 1ST STREET S.W.
CALGARY, AB T2P 5H1
CANADA

DANIEL JURIJEW
SR. MGR - REGULATORY AFFAIRS WEST
CAPITAL POWER CORPORATION
10065 JASPER AVENUE
EDMONTON, AB T5J 3B1
CANADA
FOR: CAPITAL POWER CORPORATION

SHAUN PILLOTT
REG. AFFAIRS WEST-SENIOR ADVISOR
CAPITAL POWER CORPORATION
10065 JASPER AVENUE
EDMONTON, AB T5J 3B1
CANADA

GIFFORD JUNG
POWEREX CORPORATION
666 BARRARD STREET, SUITE 1400
VANCOUVER, BC V5R 4Y2
CANADA
FOR: POWEREX CORPORATION

State Service

ANNE GILLETTE
 CALIFORNIA PUBLIC UTILITIES COMMISSION
 EMAIL ONLY
 EMAIL ONLY, CA 00000

CHERYL LEE
 CALIFORNIA PUBLIC UTILITIES COMMISSION
 EMAIL ONLY
 EMAIL ONLY, CA 00000

SARA KAMINS
 CALIFORNIA PUBLIC UTILITIES COMMISSION
 EMAIL ONLY
 EMAIL ONLY, CA 00000

CONNIE LENI
 CALIFORNIA ENERGY COMMISSION
 EMAIL ONLY
 EMAIL ONLY, CA 00000-0000

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

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

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

CHLOE LUKINS
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4101
 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
 FOR: DRA

DIANA L. LEE
 CALIF PUBLIC UTILITIES COMMISSION
 LEGAL DIVISION
 ROOM 4107
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

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

JORDAN PARRILLO
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

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

KE HAO OUYANG
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PRICING AND CUSTOMER PROGRAM
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

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

MARY JO STUEVE
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4101
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

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

NIKA ROGERS
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4101
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

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

PETER SPENCER
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

PETER V. ALLEN
 CALIF PUBLIC UTILITIES COMMISSION
 LEGAL DIVISION
 ROOM 5031
 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

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

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

WILLIAM DIETRICH
 DRA-ELECTRICITY PRICING & CUST. PROGRAMS
 CALIFORNIA PUBLIC UTILITIES COMMISSION
 505 VAN NESS AVE., RM. 4101
 SAN FRANCISCO, CA 94102-3214

YULIYA SHMIDT
 CALIF PUBLIC UTILITIES COMMISSION
 ELECTRICITY PLANNING & POLICY BRANCH
 ROOM 4104
 505 VAN NESS AVENUE
 SAN FRANCISCO, CA 94102-3214

CLARE LAUFENBER GALLARDO
 STRATEGIC TRANSMISSION INVESTMNT PROGRAM
 CALIFORNIA ENERGY COMMISSION
 1516 NINTH STREET, MS 17
 SACRAMENTO, CA 95814

JIM WOODWARD
 CALIFORNIA ENERGY COMMISSION
 1516 NINTH STREET, MS 20
 SACRAMENTO, CA 95814

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

MICHAEL JASKE
 CALIFORNIA ENERGY COMMISSION
 1516 9TH STREET, MS-39
 SACRAMENTO, CA 95814

MICHAEL NYBERG
 CALIFORNIA ENERGY COMMISSION
 PROCUREMENT UNIT, ELECTRICITY ANALYSIS
 1516 NINTH STREET, MS-20
 SACRAMENTO, CA 95814

IVIN RHYNE
 CALIFORNIA ENERGY COMMISSION
 1516 9TH STREET, MS 20
 SACRAMENTO, CA 95814-5512

[TOP OF PAGE](#)
[BACK TO INDEX OF SERVICE LISTS](#)