

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



November 24, 2014

**Advice Letter 4505-E**

Meredith Allen  
Senior Director, Regulatory Relations  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, CA 94177

**Subject: Submission of Data Necessary to Calculate the Market Price  
Benchmark for 2015 in Compliance with Resolution E-4475**

Dear Ms. Allen:

Advice Letter 4505-E is effective October 1, 2014.

Sincerely,

A handwritten signature in cursive script that reads "Edward F. Randolph".

Edward F. Randolph, Director  
Energy Division

October 1, 2014

**Advice 4505-E**  
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Submission of Data Necessary to Calculate the Market Price  
Benchmark for 2015 in Compliance With Resolution E-4475**

**Purpose**

In compliance with Ordering Paragraph (OP) 4, of California Public Utilities Commission's (Commission or CPUC) Resolution E-4475, Pacific Gas and Electric Company (PG&E) is submitting data necessary to calculate the market price benchmark (MPB) for 2015, in accordance with that resolution. In addition, the value of the capacity PG&E plans to include in the benchmark calculation is discussed below.

**Background**

Resolution E-4475, OP 4, requires that by October 1 of each year, PG&E, San Diego Gas & Electric Company (SDG&E), and Southern California Edison Company (SCE), shall file Tier 1 advice letters to update the data specified in OP 4 of Decision (D.) 11-12-018 so that the applicable percentage weightings (32% for Department of Energy (DOE) data and 68% for utility data) are updated in subsequent years.

OP 4 of D.11-12-018 requires PG&E, SDG&E, and SCE to identify the data necessary to revise the Power Charge Indifference Amount (PCIA), Ongoing Competition Transition Charge (CTC), and Transitional Bundled Service (TBS) tariffs. Specifically, the information to be provided includes:

- a. most recent 12-month figures derived from US Department of Energy survey of Western US renewable energy premiums in calculating a weighted proxy for the Market Price Benchmark compiled by the National Renewable Energy Laboratory; and
- b. all Renewable Portfolio Standard (RPS)-compliant resources that are used to serve Investor Owned-Utility (IOU) customers

during the current year (i.e., most recent 12 months) and those projected to serve customers during the next year, including both contracts and IOU-owned resources, including the projected costs together with the net qualifying capacity of energy produced by each of these resources (providing relevant costs in dollars and volumes in MWh and qualifying capacity in kW).

From this information, the Commission will then adopt an RPS adder to be used to determine a MPB. The RPS adder proxy value will be based on a 32% weighting of the DOE data in relation to a 68% weighting of the IOU cost data and will reflect renewable resources in the calculation of the PCIA and Ongoing CTC.

The average cost of power from the IOU RPS resources will be determined by summing up all the costs from all three IOUs, subtracting the product of the net qualifying capacity of those resources times the IOU's current resource adequacy capacity adder used in the MPB, and dividing by the sum of all the MWhs from all three IOUs.

Appendix A provides the most recent data from the DOE survey of Western US renewable energy premiums. Confidential Appendix B provides all RPS-compliant resources that began serving customers in 2014 or are forecast to begin serving customers in 2015. Energy Division will combine this data with SDG&E's and SCE's data and will provide a renewable adder for 2015. This adder will be used to update the 2015 forecast PCIA and Ongoing CTC in PG&E's November Update of the 2015 ERRRA Forecast.

### **Resource Adequacy Capacity Value**

D.11-12-018 agreed that it is reasonable to provide a means for updating the Resource Adequacy (RA) capacity value included in the MPB and adopted SCE's proposal to update the RA capacity adder using the Net Qualifying Capacity of the utility electric supply portfolio and the most recent California Energy Commission (CEC) estimate of the going forward costs of a combustion turbine.<sup>1</sup> Based on the CEC's most recent estimate, the RA capacity value to be included in the MPB would be \$50.17/kW-yr. This estimate is based on data from Table B-4 of the 2009 Final CEC Cost of Generation Report and is the summation of three components: (1) Insurance (\$9.63), (2) Ad Valorem (\$13.09) and (3) Fixed Operations & Maintenance (O&M) (\$27.45).<sup>2</sup>

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<sup>1</sup> D.11-12-018 at p. 115.

<sup>2</sup> See: <http://www.energy.ca.gov/2009publications/CEC-200-2009-017/CEC-200-2009-017-SF.PDF>

**Protests**

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than October 21, 2014, which is twenty (20) days after the date of this filing. Protests should be mailed to:

CPUC Energy Division  
ED Tariff Unit  
505 Van Ness Avenue, 4<sup>th</sup> Floor  
San Francisco, California 94102  
Facsimile: (415) 703-2200  
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest also should be sent via U.S. mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Meredith Allen  
Senior Director, Regulatory Relations  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, California 94177

Facsimile: (415) 973-7226  
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

**Effective Date**

PG&E request that this Tier 1 advice letter become effective on October 1, 2014, the date of filing.

**Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service lists for R.07-05-025 and A.14-05-024. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process\_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>

\_\_\_\_\_  
/S/

Meredith Allen  
Senior Director, Regulatory Relations

cc: Service List R.07-05-025  
Service List A.14-05-024

**Attachments****Public Attachments:**

Appendix A: Department of Energy Renewable Data  
Appendix B: Renewable Resources Online in 2014 and 2015 (Public)  
Appendix C: Confidentiality Declaration and Matrix

**Confidential Attachment:**

Appendix B: Renewable Resources Online in 2014 and 2015

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 E)**

Utility type:

ELC       GAS  
 PLC       HEAT       WATER

Contact Person: Jennifer Wirowek

Phone #: (415) 973-1419

E-mail: J6WS@pge.com and PGETariffs@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric      GAS = Gas  
PLC = Pipeline      HEAT = Heat      WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **4505-E**

Tier: **1**

Subject of AL: **Submission of Data Necessary to Calculate the Market Price Benchmark for 2015 in Compliance With Resolution E-4475**

Keywords (choose from CPUC listing): Compliance, Capacity

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other \_\_\_\_\_

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D. 11-12-018

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: \_\_\_\_\_

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: Yes, please see Appendix C – Confidentiality Declaration and Matrix

Confidential information will be made available to those who have executed a nondisclosure agreement: Yes

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: Donna Barry (415) 973-5707

Resolution Required?  Yes  No

Requested effective date: **October 1, 2014**

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed: N/A

Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

**California Public Utilities Commission**

**Energy Division**

**EDTariffUnit**

**505 Van Ness Ave., 4<sup>th</sup> Flr.**

**San Francisco, CA 94102**

**E-mail: EDTariffUnit@cpuc.ca.gov**

**Pacific Gas and Electric Company**

**Attn: Meredith Allen**

**Senior Director, Regulatory Relations**

**77 Beale Street, Mail Code B10C**

**P.O. Box 770000**

**San Francisco, CA 94177**

**E-mail: PGETariffs@pge.com**

**Appendix A**  
 Western States  
 Utility Green Pricing Programs

State-Specific Utility Green Pricing Programs (<http://apps3.eere.energy.gov/greenpower/markets/pricing.shtml?page=1>) Western US Only  
 Western US Only

State-Specific Utility Green Pricing Programs (last updated May 2012)						
State	Utility Information	Enrollment Information	Type	Start Date	Premium	Premium (cents/kWh)
AZ	Arizona Public Service	Green Choice	wind and geothermal	2007	0.4¢/kWh	0.40
AZ	Salt River Project	EarthWise Energy	PV for non-profits	1998/2001	Contribution	
AZ	Tri-State Generation & Transmission: Columbus Electric	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh	0.80
AZ	Tucson Electric	Bright Tucson Community Solar Program	local PV	2010	2.0¢/kWh	2.00
AZ	UniSource Energy Services	Bright Tucson Community Solar Program	local PV	2004	2.0¢/kWh	2.00
CA	Alameda Municipal Power	Alameda Green	wind, solar	2012	1.5¢/kWh	1.50
CA	Anaheim Public Utilities	Sun Power for the Schools	PV	2002	Contribution	
CA	Anaheim Public Utilities	Green Power for the Grid	various renewables	2002	2.0¢/kWh	2.00
CA	Los Angeles Department of Water and Power	Green Power for a Green LA	wind, landfill gas	1999	3.0¢/kWh	3.00
CA	Marin Energy Authority: City of Belvedere, Town of Fairfax	Light Green	25% renewable	2008	0.0¢/kWh	-
CA	Marin Energy Authority: City of Belvedere, Town of Fairfax	Deep Green	100% renewable	2010	1.0¢/kWh	1.00
CA	PacifiCorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh	1.95
CA	Palo Alto Utilities / 3Degrees	Palo Alto Green	wind, PV	2003 / 2000	1.5¢/kWh	1.50
CA	Pasadena Water & Power	Green Power	wind	2003	2.5¢/kWh	2.50
CA	Roseville Electric	Green Roseville	wind, PV	2005	1.5¢/kWh	1.50
CA	Sacramento Municipal Utility District	Greenenergy	wind, landfill gas, hydro, PV	1997	1.0¢/kWh or \$6/month	1.00
CA	Sacramento Municipal Utility District	SolarShares	PV	2007	5.0¢/kWh or \$30/month	5.00
CA	Silicon Valley Power / 3Degrees	Santa Clara Green Power	wind, PV	2004	1.5¢/kWh	1.50
CA	Truckee Donner PUD	Voluntary Renewable Energy Certificates Program	wind	2008	2.0¢/kWh	2.00
CO	Colorado Springs Utilities	Renewable Energy Certificates Program	wind and geothermal	2008	0.34¢/kWh	0.34
CO	Colorado Springs Utilities	Green Power	wind	1999	3.0¢/kWh	3.00
CO	Holy Cross Energy	Wind Power Pioneers	wind	1998	1.25¢/kWh	1.25
CO	Holy Cross Energy	Local Renewable Energy Pool	small hydro, PV	2002	2.33¢/kWh	2.33
CO	Platte River Power Authority: Estes Park, Fort Collins Utilities	Nature's Energy	wind	1999	1.0¢/kWh-2.5¢/kWh	1.75
CO	Tri-State Generation & Transmission : Delta-Montrose	Renewable Resource Power Service	wind, hydro	1998	0.8¢/kWh	0.80
CO	Xcel Energy	Renewable Energy Trust	PV	1993	Contribution	
CO	Xcel Energy	WindSource	wind	1997	2.16¢/kWh	2.16
CO	Yampa Valley Electric Association	Wind Energy Program	wind	1999	0.6¢/kWh	0.60
ID	Avista Utilities	Buck-A-Block	wind	2002	0.33¢/kWh	0.33
ID	Idaho Power	Green Power Program	various	2001	1.067¢/kWh	1.07
ID	PacifiCorp: Rocky Mountain Power	Blue Sky	wind	2003	0.71¢/kWh-1.94¢/kWh	1.33
ID	Vigilante Electric Cooperative	Alternative Renewable Energy Program	wind	2003	1.1¢/kWh	1.10
MT	Basin Electric Power Cooperative: Flathead Electric Cooperative	Prairie Winds	wind	2000	0.5¢/kWh	0.50
MT	Northwestern Energy	E+ Green	wind, PV	2003	2.0¢/kWh	2.00
MT	Park Electric Cooperative	Green Power Program	various renewables	2002	1.02¢/kWh	1.02
MT	Tri-State Generation & Transmission: Big Horn Rural Electric	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh	0.80
MT	Vigilante Electric Cooperative	Alternative Renewable Energy Program	wind	2003	1.1¢/kWh	1.10
NV	Deseret Power: Mt. Wheeler Power Cooperative	GreenWay	various	2005	1.95¢/kWh	1.95
NV	NV Energy	NV Green Energy Rate	50% or 100% renewables	2013	varies quarterly	
NV	NV Energy	Desert Research Institute's GreenPower Program	PV on schools	Unknown	Contribution	
NM	El Paso Electric	Renewable Energy Tariff	wind	2003	2.28¢/kWh	2.28
NM	Los Alamos Department of Public Utilities	Green Power	wind	2005	1.8¢/kWh	1.80
NM	Navapache Electric Cooperative	Voluntary Renewable Energy Program	TBD	2008	4.0¢/kWh	4.00
NM	Public Service of New Mexico	PNM Sky Blue	wind	2003	0.042¢/kWh	0.04
NM	Tri-State Generation & Transmission: Central New Mexico	Renewable Resource Power Service	wind, hydro	2001	0.4¢/kWh-2.0¢/kWh	1.45
NM	Xcel Energy	WindSource	wind	1999	4.61¢/kWh	4.61
OR	City of Ashland / Bonneville Environmental Foundation	Renewable Pioneers	PV, wind	2003	2.0¢/kWh	2.00
OR	Columbia River PUD	Choice Energy	wind	2005	1.5¢/kWh	1.50
OR	Emerald People's Utility District/Green Mountain Energy	Choose Renewable Electricity	wind, geothermal	2003	1.2¢/kWh	1.20
OR	Eugene Water & Electric Board	EWEB Wind Power	wind	1999	0.91¢/kWh	0.91
OR	Eugene Water & Electric Board	EWEB Greenpower	various renewables	2007	1.0¢/kWh-1.5¢/kWh	1.25
OR	Idaho Power	Green Power Program	various	2001	1.067¢/kWh	1.07
OR	Midstate Electric Cooperative	Environmentally-Preferred Power	wind	1999	2.5¢/kWh	2.50
OR	Oregon Trail Electric Cooperative	Green Power	wind	2002	1.5¢/kWh	1.50
OR	Pacific Northwest Generating Cooperative: Blachly-Lan	Green Power	landfill gas	1998	1.8¢/kWh-2.0¢/kWh	1.90
OR	PacifiCorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh	1.95
OR	PacifiCorp: Pacific Power	Blue Sky QS (Commercial Only)	wind	2004	Sliding scale depending on size	
OR	PacifiCorp: Pacific Power / 3Degrees	Blue Sky Usage	wind, biomass, PV	2002	1.2¢/kWh	1.20
OR	Portland General Electric Company	Clean Wind Power	wind	2002	1.75¢/kWh	1.75
OR	Portland General Electric Company	Clean Wind for Medium to Large Commercial	wind	2002	price depends on level of support	
OR	Portland General Electric Company / Green Mountain Energy	Green Source	wind, landfill gas, low-impact hydro	2002	1.2¢/kWh	1.20
OR	Springfield Utility Board	ECOchoice	various	2007	1.0¢/kWh	1.00
UT	City of St. George	Clean Green Power	wind, small hydro	2005	2.95¢/kWh	2.95
UT	Deseret Power	GreenWay	various	2004	1.95¢/kWh	1.95
UT	PacifiCorp: Rocky Mountain Power	Blue Sky	wind	2003	0.71¢/kWh-1.94¢/kWh	1.33
UT	PacifiCorp: Utah Power	Blue Sky	wind	2000	1.95¢/kWh	1.95
UT	Tri-State Generation & Transmission: Empire Electric A	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh	0.80

**Appendix A**  
 Western States  
 Utility Green Pricing Programs

State-Specific Utility Green Pricing Programs (<http://apps3.eere.energy.gov/greenpower/markets/pricing.shtml?page=1>) Western US Only  
 Western US Only

State-Specific Utility Green Pricing Programs (last updated May 2012)						
State	Utility Information	Enrollment Information	Type	Start Date	Premium	Premium (cents/kWh)
WA	Avista Utilities	Buck-A-Block	wind	2002	0.33¢/kWh	0.33
WA	Benton County Public Utility District	Green Power Program	landfill gas, wind, hydro	1999	Contribution	
WA	Chelan County PUD	Sustainable Natural Alternative Power (SNA	PV, wind, micro hydro	2001	Contribution	
WA	Clallam County PUD	Clallam County PUD Green Power Program	landfill gas	2001	0.69¢/kWh	0.69
WA	Clark Public Utilities	Green Lights	PV, wind	2002	1.5¢/kWh	1.50
WA	Cowlitz PUD	Renewable Resource Energy	wind, PV	2002	2.0¢/kWh	2.00
WA	Grant County PUD	Alternative Energy Resources Program	wind	2002	2.0¢/kWh	2.00
WA	Grays Harbor PUD	Green Power	wind	2002	3.0¢/kWh	3.00
WA	Lewis County PUD	Green Power Energy Rate	wind	2003	2.0¢/kWh	2.00
WA	Mason County PUD No. 3	Mason Evergreen Power	wind	2003	1.0¢/kWh	1.00
WA	Northern Wasco County PUD	Pure Power	wind	2007	2.5¢/kWh	2.50
WA	Orcas Power & Light	Go Green	wind, hydro	1999	3.5¢/kWh	3.50
WA	Pacific County PUD	Green Power	landfill gas	2002	1.05¢/kWh	1.05
WA	Pacificorp: Pacific Power	Blue Sky Block	wind	2000	1.95¢/kWh	1.95
WA	Peninsula Light	Green by Choice	wind, hydro, biogas	2002	2.0¢/kWh	2.00
WA	Puget Sound Energy	Green Power Program	wind, PV, biogas	2002	1.25¢/kWh	1.25
WA	Seattle City Light	Seattle Green Power	PV, biogas	2002	Contribution	
WA	Seattle City Light	Green Up	wind	2005	1.5¢/kWh	1.50
WA	Snohomish County Public Utility District	Planet Power	wind	2002	2.0¢/kWh	2.00
WA	Tacoma Power	EverGreen Options	wind	2000	1.2¢/kWh	1.20
WY	Basin Electric Power Cooperative: Powder River Energy	Prairie Winds	wind	2000	0.5¢/kWh	0.50
WY	Cheyenne Light, Fuel and Power Company/Bonneville	Renewable Premium Program	99% new wind, 1% new solar	2006	3.5¢/kWh	3.50
WY	Lower Valley Energy	Green Power	wind	2003	1.167¢/kWh	1.17
WY	Pacificorp: Pacific Power	Blue Sky	wind	2000	1.95¢/kWh	1.95
WY	Tri-State Generation & Transmission: Carbon Power &	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh	0.80
WY	Yampa Valley Electric Association	Wind Energy Program	wind	1999	0.6¢/kWh	0.60
					<b>Average Cents / kWh</b>	1.628
					<b>Average \$ / MWh</b>	16.28

APPENDIX B

Vintage	LogNumber	Name	Technology	Start Date	2015 MWh	2015 Cost	Net Qualifying Capacity (MW)											
							Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
2009	33R063	Ivanpah Unit 1	SOLAR THERMAL	1/10/2014			1.060	10.050	23.450	75.830	92.540	109.280	106.860	102.620	93.380	59.000	8.160	3.410
2009	33R064	Ivanpah Unit 3	SOLAR THERMAL	1/27/2014			1.120	10.610	24.750	80.040	97.680	115.350	112.790	108.320	98.570	62.280	8.610	3.600
2009	33R089-AR	Mojave Solar	SOLAR THERMAL	10/19/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2009	33R099	DTE Stockton POSDEF	BIOMASS	2/21/2014			31.180	23.440	33.040	17.460	7.180	22.540	27.890	25.460	26.130	26.470	18.140	25.660
2010	33R132	Sunshine Landfill	LANDFILL GAS	9/1/2014			14.120	14.490	14.150	12.420	13.110	14.710	15.260	15.060	14.930	14.360	14.170	14.840
2010	33R148	North Star Solar	SOLAR PV	6/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	43.820	28.970	1.490	0.790
2011	33R161	Westlands Solar Farms - PV PPA 1	SOLAR PV	2/14/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R162	FRV Orion Solar - PV PPA 1	SOLAR PV	4/14/2014			0.100	0.950	2.230	7.220	8.810	10.400	10.170	9.770	8.890	5.610	0.770	0.320
2011	33R170AB	Central Valley Ag Power	BIOMASS	3/11/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R171AB	Pristine Sun Terzian	SOLAR PV	6/17/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R174AB	Pristine Sun Helton	SOLAR PV	12/1/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R177AB	Pristine Sun Christensen	SOLAR PV	2/17/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R180AB	Pristine Sun Fritziarrell	SOLAR PV	6/27/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R184AB	Bear Creek Solar Project	SOLAR PV	2/5/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R187AB	Pristine Sun Alvares 2041	SOLAR PV	2/10/2014			0.000	0.000	0.000	2/10/2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R190AB	Pristine Sun Cotton	SOLAR PV	3/3/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R191AB	Pristine Sun Jarvis	SOLAR PV	6/27/2014			0.000	0.000	0.000	6/27/2014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R195AB	Pristine Sun Jardine	SOLAR PV	3/3/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R197AB	Pristine Sun Smotherman	SOLAR PV	1/1/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R198AB	Pristine Sun Buzzelle	SOLAR PV	3/6/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R201AB	Pristine Sun Harris	SOLAR PV	11/10/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R202AB	Pristine Sun Scherz	SOLAR PV	3/3/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R204AB	Pristine Sun Hill	SOLAR PV	3/3/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R206AB	Ignite Solar Achomawi	SOLAR PV	3/5/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R207AB	Ignite Solar Ahjumawi	SOLAR PV	3/5/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R210AB	Enerparc CA1 (FKA San Benito Smart Park)	SOLAR PV	6/16/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R232AB	Kettleman Solar	SOLAR PV	3/14/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R233AB	Vintner Solar	SOLAR PV	3/6/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2011	33R237AB	Cloverdale Solar FSEC 1	SOLAR PV	6/26/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R244	West Antelope - RAM 1	SOLAR PV	11/14/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R245	Western Antelope BSR A - RAM 1	SOLAR PV	11/12/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R254	SPI Biomass Porifolio	BIOMASS	5/28/2015			0.000	0.000	0.000	0.000	0.000	12.950	12.930	12.940	11.130	8.870	10.660	10.880
2012	33R267	RE Kent South - PV PPA 2	SOLAR PV	11/1/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R269	Foothill Farmington - PV PPA 2	SOLAR PV	2/15/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R272	SKIC Solar 1 - PV PPA 2	SOLAR PV	12/30/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R274	SPS White River West (SPS) - RAM 2	SOLAR PV	11/21/2014			0.150	1.300	2.980	11.930	12.660	15.800	15.870	14.780	14.420	9.530	0.490	0.260
2012	33R277	GASNA 27P (GASNA 27P) - RAM 2	SOLAR PV	5/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R278	Columbia Solar (Columbia) - RAM 2	SOLAR PV	5/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R279	Alamo Solar (Alamo Solar) - RAM 2	SOLAR PV	5/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R280	Corcoran Irrigation District Solar PV Project (Corcoran) - RAM 2	SOLAR PV	10/31/2014			0.150	1.300	2.980	11.940	12.670	15.810	15.880	14.790	14.430	9.540	0.490	0.260
2012	33R281AB	Ecos Energy - Hollister Project	SOLAR PV	10/25/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R282AB	Ecos Energy - Merced Solar Project	SOLAR PV	11/21/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2012	33R283	ABEC Bidart-Old River LLC	DIGESTER GAS	3/10/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R285AB	Ecos Energy - Mission Solar	SOLAR PV	1/7/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R287	Sand Hill Wind LLC - RAM 3	WIND	6/10/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.939	0.786	0.286	0.349	0.322	0.254
2013	33R288	RE Old River One LLC - RAM 3	SOLAR PV	12/12/2014			0.170	1.603	3.740	12.091	14.755	17.425	17.038	16.362	14.890	9.408	1.301	0.745
2013	33R291	Shafter Solar - RAM 3	SOLAR PV	6/10/2015			0.000	0.000	0.000	0.000	0.000	0.000	17.117	16.437	14.959	9.451	1.307	0.548
2013	33R292	GASNA 31P LLC (Twisselman 1 Solar) - RAM 3	SOLAR PV	6/10/2015			0.000	0.000	0.000	0.000	0.000	0.000	12.811	12.303	11.196	7.074	0.979	0.410
2013	33R293AB	GASNA 6P - San Joaquin 1B Fit 1	SOLAR PV	10/24/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R294AB	APEX 646-460	SOLAR PV	4/24/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R295AB	Fresno Cogeneration - Fresno Solar South	SOLAR PV	10/24/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R296AB	Fresno Cogeneration - Fresno Solar West	SOLAR PV	10/24/2014			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R300AB	Greenlight - Sirius Solar Project	SOLAR PV	4/24/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R301AB	Lincoln Metering and Hydroelectric Station	SMALL HYDRO	6/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R302AB	Castor Solar Project	SOLAR PV	6/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R304AB	Greenlight - Peacock Solar Project	SOLAR PV	7/22/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R306AB	Apex 615-408	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R307AB	Lemoore 1	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R308AB	Lemoore 2	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R309AB	Lemoore 3	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R310AB	Lemoore 4	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R311AB	2189 Gabrych	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R312AB	2143 Dacy	SOLAR PV	2/1/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R313AB	2076 Maas	SOLAR PV	2/1/2015														

APPENDIX B

Vintage	LogNumber	Name	Technology	Start Date	2015 MWh	2015 Cost	Net Qualifying Capacity (MW)													
							Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15		
2013	33R338RM	NDP1 (SB32)	SOLAR PV	12/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R339RM	Putah Creek Solar Farms (SB32)	SOLAR PV	12/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R340RM	Salmon Creek Hydroelectric Project (SB32)	SMALL HYDRO	11/28/2014			0.206	0.192	0.218	0.245	0.322	0.350	0.359	0.330	0.280	0.186	0.197	0.206		
2013	33R341RM	Baker Creek Hydroelectric Project (SB32)	SMALL HYDRO	12/20/2015			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2013	33R342RM	Water Wheel Ranch (SB32)	SMALL HYDRO	1/1/2015			0.390	0.420	0.610	0.720	0.700	0.580	0.300	0.210	0.180	0.190	0.200	0.430		
2014	33R347RM	Mill Sulphur Creek Project	SMALL HYDRO	1/1/2015			1.160	1.340	1.600	2.110	1.220	0.790	0.250	0.290	0.310	0.350	0.560	1.250		
2014	33R355RM	Madera Chowchilla Water & Power Authority Site 980 (ReMAT)	SMALL HYDRO	2/2/2015			0.000	0.000	0.768	0.866	1.138	1.235	1.267	1.165	0.988	0.656	0.695	0.728		
<b>TOTAL</b>							<b>52.935</b>	<b>68.693</b>	<b>115.269</b>	<b>237.836</b>	<b>265.690</b>	<b>339.643</b>	<b>369.558</b>	<b>352.768</b>	<b>371.033</b>	<b>254.944</b>	<b>71.613</b>	<b>69.622</b>		
Renewable Energy Credits																				
2010	33R136	Blackspring Ridge 1A	WIND	5/12/2014																
2010	33R137	Blackspring Ridge 1B	WIND	5/12/2014																

**Appendix C**  
**Confidential Declaration & Matrix**

**DECLARATION OF DONNA L. BARRY IN SUPPORT OF**  
**ADVICE 4505-E, APPENDIX B**

I, Donna L. Barry, declare:

1. I am presently employed by Pacific Gas and Electric Company (PG&E) and am a regulatory principal in the electric proceedings section, in the Energy Proceedings Department at Pacific Gas and Electric Company (PG&E). In this position, I am responsible for electric procurement cost recovery and reporting requirements at PG&E. In carrying out these responsibilities, I have acquired knowledge of the transactions types purchased for the portfolio and recorded to the ERRA and am familiar the generation costs that are included in the various exit fees, applicable to non-exempt departing load.
2. Based on my knowledge and experience, and in accordance with the “Administrative Law Judge’s Ruling Clarifying Interim Procedures For Complying With Decision 06-06-066,” issued in Rulemaking 05-06-040 on August 22, 2006, I make this declaration seeking confidential treatment for the data provided in Appendix B. The data reflects renewable cost, energy, and capacity values for certain renewable contracts, which are forecasted to be delivering in 2015.
3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes the particular type of data and information listed in Appendix 1 (the “IOU Matrix”) of Decision 06-06-066, if applicable or GO 66-C, Section 2.2.a, which allows for exclusions, Public records not open to public inspection include records of investigations and audits made by the Commission except to the extent disclosed at a hearing or by formal Commission action.
4. The matrix also specifies the category or categories in the IOU Matrix to which the data and information corresponds, and why confidential protection is justified. Finally, the

matrix specifies that: (1) PG&E is complying with the limitations specified in the IOU Matrix for that type of data or information; (2) the information is not already public; and (3) the data cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text that is pertinent to Appendix B in the attached matrix.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct. Executed on October 1, 2014, at San Francisco, California.

/s/

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DONNA L. BARRY

**PACIFIC GAS AND ELECTRIC COMPANY'S (U 39 E)  
 Advice Letter 4505-E  
 Appendix B  
 October 1, 2014**

**IDENTIFICATION OF CONFIDENTIAL INFORMATION**

<b>Redaction Reference</b>	<b>1) Constitutes data listed in Appendix 1 to D.06-06-066 (Y/N)</b>	<b>2) Data correspond to category in Appendix 1:</b>	<b>3) Complies with limitations of D.06-06-066 (Y/N)</b>	<b>4) Data not already public (Y/N)</b>	<b>5) Lead to partial disclosure (Y/N)</b>	<b>PG&amp;E's Justification for Confidential Treatment</b>	<b>Length of Time</b>
Appendix B, Cost, All lines	Y	Item II.B.4	Y	N	N	Non-QF Bilateral Contract Costs	3 years
Appendix B, MWh, All lines	Y	Item IV.G	Y	N	N	Post-2003 Bilateral Contract Generation	3 years

**PG&E Gas and Electric  
Advice Filing List  
General Order 96-B, Section IV**

AT&T	Douglass & Liddell	Occidental Energy Marketing, Inc.
Alcantar & Kahl LLP	Downey & Brand	OnGrid Solar
Anderson & Poole	Ellison Schneider & Harris LLP	Pacific Gas and Electric Company
BART	G. A. Krause & Assoc.	Praxair
Barkovich & Yap, Inc.	GenOn Energy Inc.	Regulatory & Cogeneration Service, Inc.
Bartle Wells Associates	GenOn Energy, Inc.	SCD Energy Solutions
Braun Blaising McLaughlin, P.C.	Goodin, MacBride, Squeri, Schlotz & Ritchie	SCE
CENERGY POWER	Green Power Institute	SDG&E and SoCalGas
California Cotton Ginners & Growers Assn	Hanna & Morton	SPURR
California Energy Commission	In House Energy	San Francisco Public Utilities Commission
California Public Utilities Commission	International Power Technology	Seattle City Light
California State Association of Counties	Intestate Gas Services, Inc.	Sempra Utilities
Calpine	K&L Gates LLP	SoCalGas
Casner, Steve	Kelly Group	Southern California Edison Company
Center for Biological Diversity	Linde	Spark Energy
City of Palo Alto	Los Angeles County Integrated Waste Management Task Force	Sun Light & Power
City of San Jose	Los Angeles Dept of Water & Power	Sunshine Design
Clean Power	MRW & Associates	Tecogen, Inc.
Coast Economic Consulting	Manatt Phelps Phillips	Tiger Natural Gas, Inc.
Commercial Energy	Marin Energy Authority	TransCanada
Cool Earth Solar, Inc.	McKenna Long & Aldridge LLP	Utility Cost Management
County of Tehama - Department of Public Works	McKenzie & Associates	Utility Power Solutions
Crossborder Energy	Modesto Irrigation District	Utility Specialists
Davis Wright Tremaine LLP	Morgan Stanley	Verizon
Day Carter Murphy	NLine Energy, Inc.	Water and Energy Consulting
Defense Energy Support Center	NRG Solar	Wellhead Electric Company
Dept of General Services	Nexant, Inc.	Western Manufactured Housing Communities Association (WMA)
Division of Ratepayer Advocates	North America Power Partners	