



Clay Faber - Director  
Regulatory Affairs  
8330 Century Park Court  
San Diego, CA 92123-1548

Tel: 858.654.3563  
Fax: 858.654.1788  
cfaber@semprautilities.com

October 1, 2013

**ADVICE LETTER 2522-E**  
(U902-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

**SUBJECT: ANNUAL UPDATE TO THE MARKET PRICE BENCHMARK TO ACCOUNT  
FOR RENEWABLE RESOURCE REQUIREMENTS PURSUANT TO DECISION  
11-12-018 AND RESOLUTION E-4475**

San Diego Gas & Electric Company (SDG&E) hereby submits to the California Public Utilities Commission (Commission) its data necessary to revise the Power Charge Indifference Amount (PCIA), Competition Transition Charge (CTC), and Transitional Bundled Service (TBS) tariffs to account for renewable resource requirements and the US Department of Energy premiums pursuant to Ordering Paragraph (OP) 4 of Decision (D.)11-12-018 and OP 4 of Resolution E-4475.

### **BACKGROUND**

Resolution E-4475 ordered PG&E, SDG&E and SCE to file Tier 1 advice letters updating the data specified in OP 4 of D.11-12-018 by October 1 of each year, so that the applicable percentage weightings (32% for U.S. Department of Energy (DOE) data and 68% for utility data) are updated in subsequent years.

Pursuant to OP 4 of D.11-12-018, SDG&E is providing the following data herein as Attachments A and B:

1. The most recent 12 months 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
2. All RPS-compliant resources that are used to serve 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; and
3. 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).

### RENEWABLE PORTFOLIO STANDARD ADDER

Attached are documents responding to the requests for RPS and DOE data in accordance with D.11-12-018 in order for the Energy Division to calculate an RPS adder. Attachment A is a calculation of the DOE component of the RPS premium. The data source is the most recently available DOE/NREL table titled "State-Specific Utility Green Pricing Programs. Only Western Electricity Coordinating Council (WECC) program data are included. Programs that do not include \$/kWh premiums or have voluntary contributions were excluded from the calculation. If a range was shown in the data, the average was calculated. Based on this data, SDG&E has calculated a DOE premium of \$16.45 per MWh.

Attachment B contains renewable contract data for RPS contracts that were projected to start deliveries in the years 2013 and 2014. All RPS contracts that were projected to start deliveries in SDG&E's 2013 ERRRA forecast filing, Application (A.) 12-10-002 and 2014 ERRRA forecast filing filed on September 27, 2013, are shown in this spreadsheet. Attachment B contains data that is confidential and has been redacted to conceal SDG&E's renewable energy and cost information. An unredacted version will be provided to the Energy Division under confidential seal. Included are forecasts of RPS energy in MWh, costs in \$, and net qualifying capacity (NQC) in kW.

### RESOURCE ADEQUACY CAPACITY ADDER

D.11-12-018 adopts SCE's Southern California Edison's proposal to update the RA capacity adder component of the MPB based on the most recent California Energy Commission (CEC) estimate of the going forward cost of a combustion turbine.<sup>1</sup> Based on the CEC's most recent estimate, the RA capacity adder would be \$50.17/kW-yr. This estimate is based on data from Table B-4 of the Final CEC 2009 Comparative Costs of California Central Station Electric Generation Report and is the summation of three components: (1) Insurance (\$9.63), (2) Ad Valorem (\$13.09) and (3) Fixed O&M (\$27.45) for a Small Simple Cycle plant.<sup>2</sup>

### EFFECTIVE DATE

SDG&E believes this filing is subject to Energy Division disposition and should be classified as Tier 1 (effective pending disposition) pursuant to GO 96-B. SDG&E respectfully requests that this filing become effective on October 1, 2013, the dated filed.

### PROTEST

Anyone may protest this Advice Letter to the California Public Utilities Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received no later than October 21, 2013, which is 20 days of the date this Advice Letter was filed with the Commission. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

---

<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>

CPUC Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division at [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov). A copy of the protest should also be sent via both e-mail and facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Megan Caulson  
Regulatory Tariff Manager  
8330 Century Park Court, Room 32C  
San Diego, CA 92123-1548  
Facsimile No. (858) 654-1879  
E-mail: [MCaulson@semprautilities.com](mailto:MCaulson@semprautilities.com)

### **NOTICE**

A copy of this filing has been served on the utilities and interested parties shown on the attached list, including interested parties in R.07-05-025, by providing them a copy hereof either electronically or via the U.S. mail, properly stamped and addressed.

Address changes should be directed to SDG&E Tariffs by facsimile at (858) 654-1879 or by email to [SDG&ETariffs@semprautilities.com](mailto:SDG&ETariffs@semprautilities.com).

---

CLAY FABER  
Director – Regulatory Affairs

Attachments

# 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. **SAN DIEGO GAS & ELECTRIC (U 902)**

Utility type:

ELC     GAS  
 PLC     HEAT     WATER

Contact Person: Christina Sondrini

Phone #: (858) 636-5736

E-mail: csondrini@semprautilities.com

### EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 2522-E

Subject of AL: Annual Update to the Market Price Benchmark to Account for Renewable Resource Requirements Pursuant to Decision 11-12-018 and Resolution E-4475

Keywords (choose from CPUC listing): Compliance, Rule 21 Interconnection

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 and Resolution E-4475

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: N/A

Summarize differences between the AL and the prior withdrawn or rejected AL<sup>1</sup>: N/A

Does AL request confidential treatment? If so, provide explanation: N/A

Resolution Required?  Yes  No

Tier Designation:  1  2  3

Requested effective date: 10/1/13

No. of tariff sheets: 0

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<sup>1</sup>: N/A

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

**Protests 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:**

CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Ave.,  
San Francisco, CA 94102  
EDTariffUnit@cpuc.ca.gov

San Diego Gas & Electric  
Attention: Megan Caulson  
8330 Century Park Ct, Room 32C  
San Diego, CA 92123  
mcaulson@semprautilities.com

<sup>1</sup> Discuss in AL if more space is needed.

General Order No. 96-B  
ADVICE LETTER FILING MAILING LIST

cc: (w/enclosures)

Public Utilities Commission

DRA

S. Cauchois  
R. Pocta  
W. Scott

Energy Division

P. Clanon  
S. Gallagher  
D. Lafrenz  
M. Salinas

CA. Energy Commission

F. DeLeon  
R. Tavares

Alcantar & Kahl LLP

K. Cameron

American Energy Institute

C. King

APS Energy Services

J. Schenk

BP Energy Company

J. Zaiontz

Barkovich & Yap, Inc.

B. Barkovich

Bartle Wells Associates

R. Schmidt

Braun & Blaising, P.C.

S. Blaising

California Energy Markets

S. O'Donnell  
C. Sweet

California Farm Bureau Federation

K. Mills

California Wind Energy

N. Rader

Children's Hospital & Health Center

T. Jacoby

City of Poway

R. Willcox

City of San Diego

J. Cervantes  
G. Lonergan  
M. Valerio

Commerce Energy Group

V. Gan

CP Kelco

A. Friedl

Davis Wright Tremaine, LLP

E. O'Neill  
J. Pau

Dept. of General Services

H. Nanjo  
M. Clark

Douglass & Liddell

D. Douglass  
D. Liddell  
G. Klatt

Duke Energy North America

M. Gillette

Dynergy, Inc.

J. Paul

Ellison Schneider & Harris LLP

E. Janssen

Energy Policy Initiatives Center (USD)

S. Anders

Energy Price Solutions

A. Scott

Energy Strategies, Inc.

K. Campbell

M. Scanlan

Goodin, MacBride, Squeri, Ritchie & Day

B. Cragg

J. Heather Patrick

J. Squeri

Goodrich Aerostructures Group

M. Harrington

Hanna and Morton LLP

N. Pedersen

Itsa-North America

L. Belew

J.B.S. Energy

J. Nahigian

Luce, Forward, Hamilton & Scripps LLP

J. Leslie

Manatt, Phelps & Phillips LLP

D. Huard

R. Keen

Matthew V. Brady & Associates

M. Brady

Modesto Irrigation District

C. Mayer

Morrison & Foerster LLP

P. Hanschen

MRW & Associates

D. Richardson

Pacific Gas & Electric Co.

J. Clark

M. Huffman

S. Lawrie

E. Lucha

Pacific Utility Audit, Inc.

E. Kelly

San Diego Regional Energy Office

S. Freedman

J. Porter

School Project for Utility Rate Reduction

M. Rochman

Shute, Mihaly & Weinberger LLP

O. Armi

Solar Turbines

F. Chiang

Southern California Edison Co.

M. Alexander  
K. Cini  
K. Gansecki  
H. Romero

TransCanada

R. Hunter  
D. White

TURN

M. Hawiger

UCAN

D. Kelly

U.S. Dept. of the Navy

K. Davoodi

N. Furuta

L. DeLacruz

Utility Specialists, Southwest, Inc.

D. Koser

Western Manufactured Housing

Communities Association

S. Dey

White & Case LLP

L. Cottle

Interested Parties In:

R.07-05-025

**SAN DIEGO GAS & ELECTRIC  
ADVICE LETTER 2522-E  
ATTACHMENT 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	central PV, wind, landfill gas, small hydro, geothermal	1998/2001	3.0¢/kWh	3.00
AZ	Tri-State Generation & Transmission: Columbus Electric Cooperative, Inc.	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, County of Marin, City of Mill Valley, Town of San Anselmo, City	Light Green	25% renewable	2008	0.0¢/kWh	-
CA	Marin Energy Authority: City of Belvedere, Town of Fairfax, County of Marin, City of Mill Valley, Town of San Anselmo, City	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	SolarShares	PV	2007	5.0¢/kWh or \$30/month	5.00
CA	Sacramento Municipal Utility District	Greenenergy	wind, landfill gas, hydro, PV	1997	1.0¢/kWh or \$6/month	1.00
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 Pr	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, Longmont Power & Communications, Loveland Water & Pow	Nature's Energy	wind	1999	1.0¢/kWh-2.5¢/kWh	1.75
CO	Tri-State Generation & Transmission : Delta-Montrose Electric Association, Empire Electric Association, Inc., Gunnison Co	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 Coop, Lower Yellowstone, Powder River Energy	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 Company	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	Desert Research Institute's GreenPower Pro	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	Navopache Electric Cooperative	Voluntary Renewable Energy Program	TBD	2008	4.0¢/kWh	4.00

**SAN DIEGO GAS & ELECTRIC  
ADVICE LETTER 2522-E  
ATTACHMENT 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)
NM	Public Service of New Mexico	PNM Sky Blue	wind	2003	0.042¢/kWh	0.04
NM	Tri-State Generation & Transmission: Central New Mexico Electric Cooperative, Inc., Columbus Electric Cooperative, Inc.	Renewable Resource Power Service	wind, hydro	2001	0.4¢/kWh-2.5¢/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	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	Pacific Northwest Generating Cooperative: Blachly-Lane Electric Cooperative, Central Electric Cooperative, Cleanwater Power, Consumers Power, Coos-Curry Electric Cooperative, Douglas Electric Cooperative, Fall River Rural Electric Cooperative, Lost River Electric Cooperative, Raft River Rural Electric Cooperative, Umatilla Electric Cooperative, West Oregon Electric Cooperative, (11 of 15 coops offer program)	Green Power	landfill gas	1998	1.8¢/kWh-2.0¢/kWh	1.90
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	ECCochoice	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 Association, Inc.	Renewable Resource Power Service	wind, hydro	2001	0.8¢/kWh	0.80
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

**SAN DIEGO GAS & ELECTRIC  
ADVICE LETTER 2522-E  
ATTACHMENT 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	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 Environmental Foundation	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 & Light, Inc.	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>	1.645
					<b>Average \$ / MWh</b>	16.45



SAN DIEGO GAS & ELECTRIC  
ADVICE LETTER 2522-E  
ATTACHMENT B  
(REDACTED - PUBLIC VERSION)

2014 ERRR PROJECTED RENEWABLE ENERGY

Renewable Contract	Technology	Est ContractStart	Est Annual Energy (MWh)	Est Annual Cost (\$)	NQC (kW)												
					1/1/2014	2/1/2014	3/1/2014	4/1/2014	5/1/2014	6/1/2014	7/1/2014	8/1/2014	9/1/2014	10/1/2014	11/1/2014	12/1/2014	
Otay Landfill VI - FIT	BioGas	06/21/13			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Otay Landfill V - FIT	BioGas	06/21/13			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Ocotillo Express, LLC (Pattern)	Wind	12/27/13			10,417	24,029	51,116	57,487	82,146	85,801	55,339	46,319	16,859	20,551	18,963	14,964	
Energia Sierra Juarez (Sempra USGP)	Wind	11/08/14			6,125	14,129	30,057	33,803	48,303	50,452	32,540	27,236	9,913	12,084	11,151	8,793	
Oak Creek Wind Power (RAM3)	Wind	02/01/14			137	317	674	758	1,084	1,132		730	611	222	271	250	197
Imperial Valley Solar 1 (AES; formerly Mt. Signal Solar)	Solar PV	03/31/14			1,688	15,963	37,229	120,372	146,896	173,471	169,623	162,891	148,238	93,663	12,956	5,426	
Campo Verde Solar (Southern Company)	Solar PV	09/30/13			1,173	11,094	25,874	83,658	102,093	120,563	117,888	113,209	103,025	65,096	9,005	3,771	
CSOLAR IV South (Tenaska)	Solar PV	10/15/13			1,097	10,376	24,199	78,242	95,483	112,756	110,255	105,879	96,355	60,881	8,422	3,527	
Arlington Valley Solar (LS Power)	Solar PV	10/20/13			1,072	10,136	23,640	76,436	93,279	110,154	107,711	103,436	94,131	59,476	8,227	3,446	
Centinela Solar Energy (LS Power)	Solar PV	04/01/14			1,097	10,376	24,199	78,242	95,483	112,756	110,255	105,879	96,355	60,881	8,422	3,527	
Catalina Solar (EDF)	Solar PV	07/31/13			928	8,780	20,476	66,205	80,793	95,409	93,293	89,590	81,531	51,515	7,126	2,984	
SG2 Imperial Valley	Solar PV	08/01/14			1,266	11,972	27,922	90,279	110,172	130,104	127,217	122,168	111,179	70,247	9,717	4,070	
NRG Solar Borrego I (NRG)	Solar PV	02/12/13			219	2,075	4,840	15,648	19,097	22,551	22,051	21,176	19,271	12,176	1,684	705	
Other FIT	Solar PV	2014			68	645	1,504	4,862	5,934	7,007	6,852	6,580	5,988	3,783	523	219	
Sol Orchard	Solar PV	12/31/13			169	1,596	3,723	12,037	14,690	17,347	16,962	16,289	14,824	9,366	1,296	543	
Centinela Solar Energy Expan (LS Power)	Solar PV	09/01/14			253	2,394	5,584	18,056	22,034	26,021	25,443	24,434	22,236	14,049	1,943	814	
Western Antelope Dry Ranch-RAM 1	Solar PV	11/03/13			84	798	1,861	6,019	7,345	8,674	8,481	8,145	7,412	4,683	648	271	
Maricopa West Solar PV (RAM3)	Solar PV	09/30/14			169	1,596	3,723	12,037	14,690	17,347	16,962	16,289	14,824	9,366	1,296	543	
NLP Valley Center Solar (RAM3)	Solar PV	09/30/14			59	559	1,303	4,213	5,141	6,071	5,937	5,701	5,188	3,278	453	190	
Desert Green (Concentrix/Soitec)	Solar PV	02/28/14			55	519	1,210	3,912	4,774	5,638	5,513	5,294	4,818	3,044	421	176	
LanWest (Concentrix/Soitec)	Solar PV	10/31/14			42	399	931	3,009	3,672	4,337	4,241	4,072	3,706	2,342	324	136	
Victor Mesa Linda B-RAM 1	Solar PV	11/03/13			42	399	931	3,009	3,672	4,337	4,241	4,072	3,706	2,342	324	136	
LanEast (Concentrix/Soitec)	Solar PV	10/31/14			169	1,596	3,723	12,037	14,690	17,347	16,962	16,289	14,824	9,366	1,296	543	
Fresh Air Energy II (Viejas Blvd PV 2) (FIT)	Solar PV	04/01/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Con Dios Solar 33 (Global Renewable Energy) - CRE (FIT)	Solar PV	05/01/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Cascade SunEdison (RAM 2)	Solar PV	11/30/14			156	1,477	3,444	11,134	13,588	16,046	15,690	15,067	13,712	8,664	1,198	502	
Zodiac Power Solar A - CRE (FIT)	Solar PV	04/29/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Fresh Air Energy II (Viejas Blvd. PV1) (FIT)	Solar PV	04/01/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Fresh Air Energy II (Buckman Springs PV2) (FIT)	Solar PV	04/01/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Fresh Air Energy II (Buckman Springs PV1) (FIT)	Solar PV	04/01/14			13	120	279	903	1,102	1,301	1,272	1,222	1,112	702	97	41	
Zodiac Solar E - CRE (FIT)	Solar PV	04/29/14			8	80	186	602	734	867	848	814	741	468	65	27	
ECOS Calico Ranch Solar Project (FIT)	Solar PV	08/19/14			8	80	186	602	734	867	848	814	741	468	65	27	
<b>Total Non-REC</b>					<b>29,579</b>	<b>135,103</b>	<b>303,211</b>	<b>801,077</b>	<b>995,138</b>	<b>1,157,863</b>	<b>1,086,514</b>	<b>1,032,585</b>	<b>899,469</b>	<b>585,277</b>	<b>109,357</b>	<b>58,771</b>	

<b>Wind TREC*</b>		
Rim Rock (NaturEner)	Wind REC	07/31/13

\* only includes cost of renewable attribute; does not include cost of energy