

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



March 2, 2017

Advice Letter 4988-E

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

SUBJECT: GTSR and Enhanced Community Renewables 2017 Rate Proposal

Dear Mr. Jacobson:

Advice Letter 4988-E is effective as of January 1, 2017.

Sincerely,

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

Edward Randolph
Director, Energy Division



Erik Jacobson
Director
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-1448

December 28, 2016

Advice 4988-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Green Tariff Shared Renewables and Enhanced Community Renewables 2017 Rate Proposal

Pacific Gas and Electric Company (PG&E) hereby submits this Tier 1 Compliance Advice Letter with final 2017 rates for PG&E's Green Tariff Shared Renewables (GTSR) Program. PG&E's GTSR Program offers two rate options for customers to subscribe to the program: (1) Electric - Green Tariff (E-GT), also known as PG&E's Solar Choice Program and (2) Electric - Enhanced Community Renewables (E-ECR), also known as PG&E's Regional Solar Choice Program.¹

Purpose

The purpose of this Tier 1 advice letter is to submit final GTSR Program Rates to the California Public Utilities Commission (CPUC or Commission) which are being implemented effective January 1, 2017, concurrently with the Annual Electric True-up (AET) process.² PG&E's Advice Letter 4933-E requesting approval of GTSR Program Rates was approved on November 23, 2016, with an effective date of November 6, 2016. PG&E indicated in that advice letter it would file a supplemental Tier 1 advice letter updating the GTSR rate components to be consistent with final rates approved through the AET process implementing rates effective January 1, 2017.

The tariffs for Schedules E-GT and E-ECR have been updated with the final rates and are included as Attachment A.

¹ E-GT: http://www.pge.com/notes/rates/tariffs/tm2/pdf/ELEC_SCHEDS_E-GT.pdf;
E-ECR: http://www.pge.com/notes/rates/tariffs/tm2/pdf/ELEC_SCHEDS_E-ECR.pdf;
PG&E's Green Tariff Shared Renewables Program: GTSR Program

² PG&E's Annual Electric True-up Advice Letter 4902-E-A, requests rates effective January 1, 2017.

Background

On October 7, 2016, PG&E filed Advice Letter 4933-E requesting to update 2017 rates for the GTSR Program rate schedules E-GT and E-ECR. The GTSR Program bill credit and charges that make-up the E-GT and E-ECR rates are:

1. Solar Rate (E-GT rate schedule only)
2. Power Charge Indifference Amount (PCIA)
3. Program Charge
 - a. Resource Adequacy (RA) Charge
 - b. California Independent System Operator (CAISO) Grid Management Charge (GMC)
 - c. Western Renewable Energy Generation Information System (WREGIS) Fees,
 - d. Renewable Integration Charges (RIC)
 - e. Solar Value Adjustment (Time of Day (TOD) and Resource Adequacy (RA))
 - f. Administrative and Marketing Costs
4. Class Average Generation Rate

As described in Advice Letter 4933-E, all the GTSR Program rate components were updated for 2017 with the exception of the RIC, which remained unchanged for 2017.³

This advice letter updates the Solar Rate, the PCIA, the RA Charge, the Solar Value Adjustment TOD, and the class average generation rate to reflect updates that were approved in Decision (D.)16-12-038, PG&E's 2017 ERRR Forecast, and / or are reflected in PG&E's supplemental AET Advice Letter, 4902-E-B.

Updated Rates

PG&E has updated the Solar Rate to include an update to the expected end-of-year balance in the Green Tariff Shared Renewables Balancing Account (GTSRBA), which incorporates actual cost for the interim pool resources through October 2016. In addition, PG&E has updated the PCIA and the RA charge to be consistent with the 2017 ERRR Forecast approved rates approved in D.16-12-038. Lastly, the class average generation rates and solar value adjustment TOD rates have been updated for to reflect generation rates that will be effective January 1, 2017.

Table 1 below summarizes the charges and credits, and presents an illustrative set of rate schedules. The details for all rate schedules are summarized in PG&E's workpapers, which are included in Attachment B.

³ D.15-01-051 set the RIC at zero and ordered that within 60 days of a decision setting a RIC charge for ratepayers, the IOUs should file a Tier 3 Advice Letter setting forth how the RIC will be allocated to customers (both new and existing). The RIC is currently being evaluated in R.11-05-005 but as of the date of this filing, no RIC has been approved.

Table 1
PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2017
E-GT Option

| | E-1 cents/kwh | A1 cents/kwh | A-10 cents/kwh | E-19 cents/kwh | AG cents/kwh | E-20 T cents/kwh |
|--|------------------|-----------------|-------------------|-------------------|-----------------|---------------------|
| Charges | | | | | | |
| Solar Generation Price – updated^[1] | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 |
| PCIA – updated ^[2] | 2.919 | 2.199 | 2.253 | 1.889 | 2.134 | 1.532 |
| Renewable Integration Charge | - | - | - | - | - | - |
| Marketing & Administration | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 |
| Resource Adequacy – updated ^[2] | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 |
| CA ISO Charges | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 |
| WREGIS Fees | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Subtotal | 12.912 | 12.192 | 12.246 | 11.882 | 12.127 | 11.525 |
| Credits | | | | | | |
| Class Average Generation Rate – updated^[3] | 9.838 | 9.831 | 10.253 | 9.443 | 8.204 | 7.929 |
| <u>Solar Value Adjustment</u> | | | | | | |
| TOD - updated ^[3] | 0.226 | 0.452 | 0.265 | 0.502 | 0.344 | 0.443 |
| RA – updated ^[1, 2] | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 |
| Other | - | - | - | - | - | - |
| Subtotal | 10.302 | 10.521 | 10.756 | 10.183 | 8.786 | 8.610 |
| 2017 Premium (cents/kwh) | 2.610 | 1.671 | 1.490 | 1.699 | 3.341 | 2.915 |

1. Interim Pool and dedicated resources.
2. The PCIA and Resource Adequacy charge reflect values approved in D.16-12-038, PG&E's 2017 ERRR Forecast Application. The updated values for these charges have been consolidated with other rate changes through the AET process.
3. The class average generation rate has been updated, consistent with the final generation rates implemented through the AET process.

Table 2
PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2017
E-ECR Option

| | E-1 cents/kwh | A1 cents/kwh | A-10 cents/kwh | E-19 cents/kwh | AG cents/kwh | E-20 T cents/kwh |
|--|------------------|-----------------|-------------------|-------------------|-----------------|---------------------|
| Charges | | | | | | |
| Solar Generation Price | N/A | N/A | N/A | N/A | N/A | N/A |
| PCIA – <i>updated</i> ^[1] | 2.919 | 2.199 | 2.253 | 1.889 | 2.134 | 1.532 |
| Renewable Integration Charge | - | - | - | - | - | - |
| Marketing & Administration | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 |
| Resource Adequacy – <i>updated</i> ^[1] | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 |
| CA ISO Charges | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 |
| WREGIS Fees | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Subtotal | 4.537 | 3.817 | 3.871 | 3.507 | 3.752 | 3.150 |
| Credits | | | | | | |
| Class Average Generation Rate – <i>updated</i> ^[2] | 9.838 | 9.831 | 10.253 | 9.443 | 8.204 | 7.929 |
| <u>Solar Value Adjustment</u> | | | | | | |
| TOD – <i>updated</i> ^[3] | 0.226 | 0.452 | 0.265 | 0.502 | 0.344 | 0.443 |
| RA – <i>updated</i> ^[3] | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 |
| Other | - | - | - | - | - | - |
| Subtotal | 10.302 | 10.521 | 10.756 | 10.183 | 8.786 | 8.610 |
| 2017 Credit (cents/kwh) | (5.765) | (6.704) | (6.885) | (6.676) | (5.034) | (5.460) |

1. The PCIA and Resource Adequacy charge reflect values approved in D.16-12-038, PG&E's 2017 ERRRA Forecast Application. The updated values for these charges have been consolidated with other rate changes through the AET process.
2. The class average generation rate has been updated, consistent with the final generation rates implemented through the AET process.
3. The actual solar value adjustment (SVA) for the TOD and the RA credit will be based on the actual ECR resource. The SVA TOD and SVA RA values presented in the E-ECR table above are illustrative only and are based on the dedicated GTSR Program resources and interim pool of resources used to support the E-GT Schedule. The values are included to provide an approximation for the expected 2017 credit value for the ECR option.

Proposed Tariff Changes

Final rates are shown in the attached Schedules E-GT and E-ECR, which are consistent with final rates implemented on January 1, 2017, through the AET process.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than January 17, 2017, which is 20 days after the date of this filing. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th 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 shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-1448
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 requests this Tier 1 advice letter be effective immediately reflecting rates that will be implemented on January 1, 2017.

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 list for A.12-04-020. 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/

Erik Jacobson
Director, Regulatory Relations

Attachment

Attachment A - Electric Schedule E-GT and Electric Schedule E-ECR
Attachment B – 2017 GTSR Program Rate Workpapers (Redacted Public Version)
Attachment C – Declaration & Confidential Matrix

cc: Service List A.12-04-020

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: Yvonne Yang

Phone #: (415) 973-2094

E-mail: QXY1@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) #: **4988-E**

Tier: 1

Subject of AL: **Green Tariff Shared Renewables and Enhanced Community Renewables 2017 Rate Proposal**

Keywords (choose from CPUC listing): Compliance

AL filing type: Monthly Quarterly Annual One-Time Other _____

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D.16-12-038

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

Confidential information will be made available to those who have executed a nondisclosure agreement: Yes No

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: **January 1, 2017**

No. of tariff sheets: 7

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). N/A

Tariff schedules affected: Electric Schedule E-ECR and Electric Schedule E-GT

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., 4th Flr.

San Francisco, CA 94102

E-mail: EDTariffUnit@cpuc.ca.gov

Pacific Gas and Electric Company

Attn: Erik Jacobson

Director, Regulatory Relations

c/o Megan Lawson

77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

**ATTACHMENT A
Advice 4988-E**

**Cal P.U.C.
Sheet No.**

Title of Sheet

**Cancelling Cal
P.U.C. Sheet No.**

| | | |
|---------|--|---------|
| 37961-E | ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 3 | 35944-E |
| 37962-E | ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 2 | 35954-E |
| 37963-E | ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 3 | |
| 37964-E | ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 4 | 35746-E |
| 37965-E | ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 5 | 35747-E |
| 37966-E | ELECTRIC TABLE OF CONTENTS Sheet 1 | 37959-E |
| 37967-E | ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 6 | 37894-E |



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 3

RATES:
 (Cont'd.)

| Customer Class | Solar Charge & Credit | Generation Credit | Program Charge** | PCIA | |
|-------------------------------|-----------------------|-------------------|------------------|---------------|-----|
| Residential | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.09838) (R) | \$0.01154 (R) | \$0.02909 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.09838) (R) | \$0.01154 (R) | \$0.02919 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.09838) | \$0.01154 | \$0.02919 | (N) |
| Schedule A-1 | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.09831) (R) | \$0.00928 (R) | \$0.02191 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.09831) (R) | \$0.00928 (R) | \$0.02199 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.09831) | \$0.00928 | \$0.02199 | (N) |
| Schedule A-10 | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.10253) (R) | \$0.01115 (R) | \$0.02245 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.10253) (R) | \$0.01115 (R) | \$0.02253 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.10253) | \$0.01115 | \$0.02253 | (N) |
| Schedule E-19 | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.09443) (R) | \$0.00878 (R) | \$0.01882 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.09443) (R) | \$0.00878 (R) | \$0.01889 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.09443) | \$0.00878 | \$0.01889 | (N) |
| Schedule LS-3 | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.07997) (I) | \$0.00785 (R) | \$0.00422 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.07997) (I) | \$0.00785 (R) | \$0.00424 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.07997) | \$0.00785 | \$0.00424 | (N) |
| Agriculture and Schedule E-37 | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.08204) (R) | \$0.01036 (R) | \$0.02126 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.08204) (R) | \$0.01036 (R) | \$0.02134 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.08204) | \$0.01036 | \$0.02134 | (N) |
| Schedule E-20 T | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.07929) (R) | \$0.00937 (R) | \$0.01527 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.07929) (R) | \$0.00937 (R) | \$0.01532 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.07929) | \$0.00937 | \$0.01532 | (N) |
| Schedule E-20 P | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.08619) (R) | \$0.00952 (R) | \$0.01674 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.08619) (R) | \$0.00952 (R) | \$0.01680 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.08619) | \$0.00952 | \$0.01680 | (N) |
| Schedule E-20 S | | | | | |
| -- 2015 Vintage | \$0.00000 | (\$0.08970) (R) | \$0.00915 (R) | \$0.01806 (I) | |
| -- 2016 Vintage | \$0.00000 | (\$0.08970) (R) | \$0.00915 (R) | \$0.01813 (I) | |
| -- 2017 Vintage | \$0.00000 | (\$0.08970) | \$0.00915 | \$0.01813 | (N) |

* The Schedule A-1 class includes Schedules A-1, A-6, A-15 and TC-1.

** The program charge includes a marketing and administration charge of \$0.00253 which is composed of \$0.00064 per kWh for marketing and \$0.00189 per kWh for administrative costs.

(T)
 (T)

(Continued)



**ELECTRIC SCHEDULE E-GT
 GREEN TARIFF PROGRAM**

Sheet 2

RATES:
 (Cont'd.)

Power Charge Indifference Adjustment (PCIA): The customer taking service under Schedule E-GT will pay an amount for PCIA which is set to ensure stranded generation costs are not shifted to non-participating customers when the customer switches to E-GT. PCIA will be assigned based on the date that the customer begins service on E-GT. If a customer begins service in the first six months of the calendar year (e.g., 2016), they are assigned the prior year's vintage (i.e., 2015). If they begin service on or after July 1, they are assigned the vintage for the current year (2016 in this example).

Schedule E-GT charges and credits are shown in the table below, and subject to adjustment annually and as approved by the Commission. No discounts (e.g., FERA, CARE) are applicable to the rates stated herein. The customer will be billed based on the sum of the Solar Charge, the Generation Credit, the Program Charge and the applicable PCIA. A customer will pay the applicable Program Charge based on the year service under this schedule was started.

| Customer Class | Solar Charge | Generation Credit | Program Charge** | PCIA | |
|-------------------------------|---------------|-------------------|------------------|---------------|-----|
| Residential | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.09838) (R) | \$0.01501 (I) | \$0.02909 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.09838) (R) | \$0.01501 (I) | \$0.02919 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.09838) | \$0.01501 | \$0.02919 | (N) |
| Schedule A-1* | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.09831) (R) | \$0.01275 (I) | \$0.02191 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.09831) (R) | \$0.01275 (I) | \$0.02199 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.09831) | \$0.01275 | \$0.02199 | (N) |
| Schedule A-10 | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.10253) (R) | \$0.01462 (I) | \$0.02245 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.10253) (R) | \$0.01462 (I) | \$0.02253 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.10253) | \$0.01462 | \$0.02253 | (N) |
| Schedule E-19 | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.09443) (R) | \$0.01225 (I) | \$0.01882 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.09443) (R) | \$0.01225 (I) | \$0.01889 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.09443) | \$0.01225 | \$0.01889 | (N) |
| Schedule LS-3 | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.07997) (I) | \$0.01132 (I) | \$0.00422 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.07997) (I) | \$0.01132 (I) | \$0.00424 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.07997) | \$0.01132 | \$0.00424 | (N) |
| Agriculture and Schedule E-37 | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.08204) (R) | \$0.01383 (I) | \$0.02126 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.08204) (R) | \$0.01383 (I) | \$0.02134 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.08204) | \$0.01383 | \$0.02134 | (N) |
| Schedule E-20 T | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.07929) (R) | \$0.01284 (I) | \$0.01527 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.07929) (R) | \$0.01284 (I) | \$0.01532 (I) | |
| -- 2017 Vintage | \$0.08028 | (\$0.07929) | \$0.01284 | \$0.01532 | (N) |
| Schedule E-20 P | | | | | |
| -- 2015 Vintage | \$0.08028 (R) | (\$0.08619) (R) | \$0.01299 (I) | \$0.01674 (I) | |
| -- 2016 Vintage | \$0.08028 (R) | (\$0.08619) (R) | \$0.01299 (I) | \$0.01680 (I) | |
| -- 2016 Vintage | \$0.08028 | (\$0.08619) | \$0.01299 | \$0.01680 | (N) |
| | | | | | (L) |

(Continued)

Advice Letter No: 4988-E
 Decision No. 16-12-038

Issued by
Steven Mainight
 Senior Vice President
 Regulatory Affairs

Date Filed December 28, 2016
 Effective January 1, 2017
 Resolution No. _____



**ELECTRIC SCHEDULE E-GT
 GREEN TARIFF PROGRAM**

Sheet 3

| | | | | | | |
|---------------------|--|---------------|-----------------|---------------|---------------|-----------------------|
| RATES: (Cont'd.) | Schedule E-20 S | | | | | (L) |
| | -- 2015 Vintage | \$0.08028 (R) | (\$0.08970) (R) | \$0.01262 (I) | \$0.01806 (I) | I |
| | -- 2016 Vintage | \$0.08028 (R) | (\$0.08970) (R) | \$0.01262 (I) | \$0.01813 (I) | (L) |
| | -- 2017 Vintage | \$0.08028 | (\$0.08970) | \$0.01262 | \$0.01813 | (N) |
| | * The Schedule A-1 class includes Schedules A-1, A-6, A-15 and TC-1. | | | | | (L) |
| | ** The program charge includes a marketing and administration charge of \$0.00600 which is composed of \$0.00411 per kWh for marketing and \$0.00189 per kWh for administrative costs. | | | | | I (T)(L) (T)(L) |

(Continued)



**ELECTRIC SCHEDULE E-GT
 GREEN TARIFF PROGRAM**

Sheet 4

**ENROLLMENT
 PROVISIONS:**

Customers may elect to purchase 50% or 100% of their energy usage under this schedule.

(L)

Customers may elect to change their enrollment level once in a 12 month period (e.g. changing from 50% to 100% and vice versa). If the GTSR program cap is reached before January 1, 2019, existing customers may change their enrollment level down only (from 100% to 50%).

The enrollment level for a single service agreement may not exceed the equivalent of 2 MW of load per year. This limitation does not apply to a federal, state, or local government, school or school district, county office of education, the California Community Colleges, the California State University, or the University of California.¹

A single customer cannot elect an enrollment level that results in the equivalent amount of load served under this schedule to exceed 20% of any single calendar year's total available cumulative nameplate rated generating capacity under the GTSR Program.²

45 MW of capacity is reserved for residential customer participation in the GTSR program, and 20 MW is reserved for the City of Davis. PG&E reserves the right to stop offering additional subscriptions under this schedule to non-residential customers if non-residential customer participation in the GTSR program reached the equivalent of 207 MW.

**ENROLLMENT
 TERM:**

The customer will be placed on the Green Tariff program option on the first day of the next Billing Cycle where the Billing Cycle start date occurs at least five business days after the date of the customer's request. A customer request that is received within five business days of the customer's next Billing Cycle may result in the customer being placed on the Green Tariff Program in the following Billing Cycle.

There is no minimum service length under this schedule. There is also no termination fee associated with terminating participation in this program. Cancellation of the customer's participation in the Green Tariff Program will become effective as of the customer's last closed bill period. The customer is then ineligible to participate in the Green Tariff Program for a period of 12 months from the date of the change.

(L)

¹ PU Code 2833(h)

² PU Code 2833 (i)

(Continued)



**ELECTRIC SCHEDULE E-GT
GREEN TARIFF PROGRAM**

Sheet 5

| | | |
|----------------------------|--|-----|
| ENROLLMENT TERM: (Cont'd.) | Enrollment level changes will apply on the first day of the next Billing Cycle where the Billing Cycle start date occurs at least five business days after the date of the customer's request. A customer request that is received within five business days of the customer's next Billing Cycle may be placed on the Green Tariff Program the following Billing Cycle. | (L) |
| | A customer's service under this schedule is considered portable within PG&E's electric service territory. If in transferring service, a customer closes the existing service agreement served under this schedule and opens a new service agreement in another location within PG&E's service territory, the customer will be considered as having continuously received service under this schedule for the purposes of determining the PCIA vintage to apply to the new service agreement. | |
| OTHER PROGRAMS: | GTSR Enhanced Community Renewables program: Customers served under this schedule cannot concurrently participate on schedule E-ECR. | |
| BILLING: | Monthly bills are calculated in accordance with the customer's OAS and the rates contained herein. The amount billed under the Green Tariff program will appear on the customer's bill as additional charges and credits as described above. | |
| METERING EQUIPMENT: | All customers must be metered under their OAS. | |
| | | (L) |



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Sheet 1

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RATE SCHEDULES

Sheet 6

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|-----------|---|----------------------|
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| E-CHPS | Combined Heat and Power Simplified PPA..... 30814-30817-E | |
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| E-NMDL | New Municipal Departing Load.....27453,32097,32098,32099, 29557,29558,29559,29560,29561,29562,29563,29564-E | |
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| E-SDL | Split-Wheeling Departing Load 28588,28589,28867,28868,27459-27464-E | |
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(Continued)

Advice Letter No: 4988-E
 Decision No. 16-12-038

Issued by
Steven Mainight
 Senior Vice President
 Regulatory Affairs

Date Filed December 28, 2016
 Effective January 1, 2017
 Resolution No. _____

Attachment B
2017 GTSR and ECR Rate WorkPapers

PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2017
E-GT Option

| | E-1 cents/kwh | A1 cents/kwh | A-6 cents/kwh | A-10 cents/kwh | E-19 cents/kwh | LS-3 cents/kwh | AG cents/kwh | E-20 T cents/kwh | E-20 P cents/kwh | E-20 S cents/kwh | |
|--|------------------|-----------------|------------------|-------------------|-------------------|-------------------|-----------------|---------------------|---------------------|---------------------|-------------|
| Charges | | | | | | | | | | | |
| Solar Generation Price - updated ^[1] | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | 8.028 | GTSRBA/ERRA |
| PCIA - updated ^[2] | 2.919 | 2.199 | 2.199 | 2.253 | 1.889 | 0.424 | 2.134 | 1.532 | 1.680 | 1.813 | |
| Renewable Integration | - | - | - | - | - | - | - | - | - | - | |
| Marketing & Administration | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | |
| Resource Adequacy - updated ^[2] | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | |
| CAISO Charges | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | |
| WREGIS Fees | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | |
| Sub Total | 12.912 | 12.192 | 12.192 | 12.246 | 11.882 | 10.417 | 12.127 | 11.525 | 11.673 | 11.806 | |
| Credits | | | | | | | | | | | |
| Class Average Generation Rate - updated ^[3] | 9.838 | 9.831 | 9.831 | 10.253 | 9.443 | 7.997 | 8.204 | 7.929 | 8.619 | 8.970 | |
| <u>Solar Value Adjustment</u> | | | | | | | | | | | |
| TOD - updated ^[3] | 0.226 | 0.452 | 0.452 | 0.265 | 0.502 | 0.595 | 0.344 | 0.443 | 0.428 | 0.465 | |
| RA | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | |
| Other | - | - | - | - | - | - | - | - | - | - | |
| Sub Total | 10.302 | 10.521 | 10.521 | 10.756 | 10.183 | 8.830 | 8.786 | 8.610 | 9.285 | 9.673 | |
| 2017 Premium (cents/kwh) | 2.610 | 1.671 | 1.671 | 1.490 | 1.699 | 1.587 | 3.341 | 2.915 | 2.388 | 2.133 | |

ff&u = 0.011885

PROGRAM CHARGE

| GT Illustrative Table (cent/kWh) | E-1 | A1 | A-6 | A-10 | E-19 | LS-3 | AG | E-20 T | E-20 P | E-20 S | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| RIC, RA, CA ISO, WREGIS | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | |
| SVA (TOD and RA Credit) | (0.464) | (0.690) | (0.690) | (0.503) | (0.740) | (0.833) | (0.582) | (0.681) | (0.666) | (0.703) | |
| Program Charges - Gen Related | 0.901 | 0.675 | 0.675 | 0.862 | 0.625 | 0.532 | 0.783 | 0.684 | 0.699 | 0.662 | GTSRBA/ERRA |
| Market and Admin. | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | 0.600 | GTSRMA |
| PCIA | 2.919 | 2.199 | 2.199 | 2.253 | 1.889 | 0.424 | 2.134 | 1.532 | 1.680 | 1.813 | GTSRBA/ERRA |
| Total Program Charges | 4.420 | 3.474 | 3.474 | 3.715 | 3.114 | 1.556 | 3.517 | 2.816 | 2.979 | 3.075 | |
| Total Program Charges w/o PCIA | 1.501 | 1.275 | 1.275 | 1.462 | 1.225 | 1.132 | 1.383 | 1.284 | 1.299 | 1.262 | |
| Total Program Charges - rounded w/o PCIA | 1.500 | 1.300 | 1.300 | 1.500 | 1.200 | 1.100 | 1.400 | 1.300 | 1.300 | 1.300 | |

[1] Interim Pool and dedicated resources

[2] The PCIA and Resource Adequacy charge reflect values approved in D.16-12-038, PG&E's 2017 ERRA Forecast Application. The updated values for these charges have been consolidated with other rate changes through the Annual Electric True-up (AET) process, filed the the Supplemental AET Advice Letter 4902-E-A.

[3] The class average generation rate has been updated, consistent with the final generation rates implemented through the AET process, Advice Letter 4902-E-A.

PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2017
E-ECR Option

| | E-1 cents/kwh | A1 cents/kwh | A-6 cents/kwh | A-10 cents/kwh | E-19 cents/kwh | LS-3 cents/kwh | AG cents/kwh | E-20 T cents/kwh | E-20 P cents/kwh | E-20 S cents/kwh |
|--|------------------|-----------------|------------------|-------------------|-------------------|-------------------|-----------------|---------------------|---------------------|---------------------|
| Charges | | | | | | | | | | |
| PCIA - updated ^[1] | 2.919 | 2.199 | 2.199 | 2.253 | 1.889 | 0.424 | 2.134 | 1.532 | 1.680 | 1.813 |
| Renewable Integration | - | - | - | - | - | - | - | - | - | - |
| Marketing & Administration | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 |
| Resource Adequacy - updated ^[1] | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 | 1.290 |
| CAISO Charges | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 | 0.074 |
| WREGIS Fees | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Subtotal | 4.537 | 3.817 | 3.817 | 3.871 | 3.507 | 2.042 | 3.752 | 3.150 | 3.298 | 3.431 |
| Credits | | | | | | | | | | |
| Class Average Generation Rate - updated ^[2] | 9.838 | 9.831 | 9.831 | 10.253 | 9.443 | 7.997 | 8.204 | 7.929 | 8.619 | 8.970 |
| <u>Solar Value Adjustment</u> | | | | | | | | | | |
| TOD - updated ^[3] | 0.226 | 0.452 | 0.452 | 0.265 | 0.502 | 0.595 | 0.344 | 0.443 | 0.428 | 0.465 |
| RA | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 | 0.238 |
| Other | - | - | - | - | - | - | - | - | - | - |
| Sub Total | 10.302 | 10.521 | 10.521 | 10.756 | 10.183 | 8.830 | 8.786 | 8.610 | 9.285 | 9.673 |
| 2017 Premium (cents/kwh) | (5.765) | (6.704) | (6.704) | (6.885) | (6.676) | (6.788) | (5.034) | (5.460) | (5.987) | (6.242) |

ff&u = 0.011885

PROGRAM CHARGE

| GT Illustrative Table (cent/kWh) | E-1 | A1 | A-6 | A-10 | E-19 | LS-3 | AG | E-20 T | E-20 P | E-20 S |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| RIC, RA, CA ISO, WREGIS | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 | 1.365 |
| SVA (TOD and RA Credit) | (0.464) | (0.690) | (0.690) | (0.503) | (0.740) | (0.833) | (0.582) | (0.681) | (0.666) | (0.703) |
| Program Charges - Gen Related | 0.901 | 0.675 | 0.675 | 0.862 | 0.625 | 0.532 | 0.783 | 0.684 | 0.699 | 0.662 |
| Market and Admin. | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 | 0.253 |
| PCIA | 2.919 | 2.199 | 2.199 | 2.253 | 1.889 | 0.424 | 2.134 | 1.532 | 1.680 | 1.813 |
| Total Program Charges | 4.073 | 3.127 | 3.127 | 3.368 | 2.767 | 1.209 | 3.170 | 2.469 | 2.632 | 2.728 |
| Total Program Charges w/o PCIA | 1.154 | 0.928 | 0.928 | 1.115 | 0.878 | 0.785 | 1.036 | 0.937 | 0.952 | 0.915 |
| Total Program Charges - rounded w/o PCIA | 1.200 | 0.900 | 0.900 | 1.100 | 0.900 | 0.800 | 1.000 | 0.900 | 1.000 | 0.900 |

[1] The PCIA and Resource Adequacy charge reflect values approved in D.16-12-038, PG&E's 2017 ERRRA Forecast Application. The updated values for these charges have been consolidated with other rate changes through the Annual Electric True-up (AET) process, filed the the Supplemental AET Advice Letter 4902-E-A.

[2] The class average generation rate has been updated, consistent with the final generation rates implemented through the AET process, Advice Letter 4902-E-A.

[3] The actual solar value adjustment (SVA) for the TOD and the RA credit will be based on the actual ECR resource. The SVA TOD and SVA RA values presented in the E-ECR table above are illustrative only and are based on dedicated GTSR Program resources and the interim pool of resources used to support GTSR Program. The values are included to provide an approximation for the expected 2017 credit value for the ECR option. Actual SVA TOD and SVA RA credits will be based on actual ECR projects.

| | | | | | | | Values | | | | | | | | | | | | Total | Average Cost (\$/MWh) | Average Cost with ff&u (\$/MWh) | Total Cost to Serve (\$s) | Weighted Average Solar Rate (\$/MWh) |
|-------------|------------|--|----------------|--------------|------------|------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-------|-----------------------|---------------------------------|---------------------------|--------------------------------------|
| LogNumber | ERRA Label | Name | Contract Begin | Contract End | Technology | Total Procurement Costs (\$) | 1/1/2017 | 2/1/2017 | 3/1/2017 | 4/1/2017 | 5/1/2017 | 6/1/2017 | 7/1/2017 | 8/1/2017 | 9/1/2017 | 10/1/2017 | 11/1/2017 | 12/1/2017 | | | | | |
| 33R382 | | Bakersfield 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R386 | | San Joaquin 1B FIT (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R388 | | Bakersfield Industrial 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R389 | | Delano Land 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R390 | | Manteca Land 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R391 | | Merced 1 Solar Project (GTSR Project) | 8/1/2017 | 7/31/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R392 | | RE Tranquility 8 Amarillo (GTSR Project) | 12/31/2017 | 12/30/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| 33R396 | | 54KR (GTSR Project) | 9/1/2017 | 8/31/2037 | SOLAR PV | | | | | | | | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | | | | | | | | | | | | |

Year 2017

| | | | | | | | Values | | | | | | | | | | | | Total |
|-------------|------------|--|----------------|--------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-------|
| LogNumber | ERRA Label | Name | Contract Begin | Contract End | Technology | Sum of MWh | 1/1/2017 | 2/1/2017 | 3/1/2017 | 4/1/2017 | 5/1/2017 | 6/1/2017 | 7/1/2017 | 8/1/2017 | 9/1/2017 | 10/1/2017 | 11/1/2017 | 12/1/2017 | |
| 33R382 | | Bakersfield 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R386 | | San Joaquin 1B FIT (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R388 | | Bakersfield Industrial 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R389 | | Delano Land 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R390 | | Manteca Land 1 (GTSR Project) | 8/31/2017 | 8/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R391 | | Merced 1 Solar Project (GTSR Project) | 8/1/2017 | 7/31/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R392 | | RE Tranquility 8 Amarillo (GTSR Project) | 12/31/2017 | 12/30/2037 | SOLAR PV | | | | | | | | | | | | | | |
| 33R396 | | 54KR (GTSR Project) | 9/1/2017 | 8/31/2037 | SOLAR PV | | | | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | | | | | | | | |

Load Forecast (MWh) 35,854

Interim Resources MWh

True-up Entry

Total 35,854 \$ 2,878,462 \$ 80.28

| Incremental MWh | MWh total (annual) | MWh / Month (Average) | |
|-----------------|--------------------|-----------------------|-----------|
| | 22,155 | 1,846 | 1/1/2017 |
| 13,699 | 35,854 | 2,988 | 6/1/2017 |
| 35,854 | 71,708 | 5,976 | 12/1/2017 |

| | | | | | | | | | | | Forecast Values | | | | | | | | | | | | |
|-------------|--|----------------|--------------|------------|--|--|--|--|--|--|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| | | | | | | | | | | | Costs | | | | | | | | | | | | |
| Year | | | | | | | | | | | 2016 | 1/1/2016 | 2/1/2016 | 3/1/2016 | 4/1/2016 | 5/1/2016 | 6/1/2016 | 7/1/2016 | 8/1/2016 | 9/1/2016 | 10/1/2016 | 11/1/2016 | 12/1/2016 |
| LogNumber | Name | Contract Begin | Contract End | Technology | | | | | | | | | | | | | | | | | | | |
| 33R171AB | Pristine Sun Terzian | 6/17/2014 | 6/16/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R177AB | Pristine Sun Christensen | 2/7/2014 | 2/6/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R184AB | Bear Creek Solar Project | 2/5/2014 | 2/4/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R190AB | Pristine Sun Cotton | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R195AB | Pristine Sun Jardine | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R198AB | Pristine Sun Buzzelle | 3/6/2014 | 3/5/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R201AB | Pristine Sun Harris | 12/2/2014 | 12/1/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R202AB | Pristine Sun Scherz | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R204AB | Pristine Sun Hill | 2/20/2014 | 2/19/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R232AB | Kettleman Solar | 3/14/2014 | 3/13/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R233AB | Wintner Solar | 3/6/2014 | 3/5/2034 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R267 | RE Kent South - PV PPA 2 | 12/29/2014 | 2/18/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R272 | Algonquin SKIC 20 Solar - PV 2 | 4/14/2015 | 5/14/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R280 | Corcoran Irrigation District Solar PV Project (Corcoran) - RAM 2 | 1/20/2015 | 3/19/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R281AB | Ecos Energy - Hollister Project | 4/17/2015 | 4/16/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R282AB | Ecos Energy - Merced Solar Project | 5/12/2015 | 5/11/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R285AB | Ecos Energy - Mission Solar | 5/23/2015 | 5/22/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R288 | RE Old River One LLC - RAM 3 | 12/30/2014 | 2/8/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| 33R315AB | Bakersfield III | 7/28/2015 | 7/27/2035 | SOLAR PV | | | | | | | | | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | Forecast Values | | | | | | | |
|-------------|--|----------------|--------------|------------|--|---------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|-----------|-----------|-----------|
| | | | | | | | | | | | Sum of MWhr | | | | | | | |
| LogNumber | Name | Contract Begin | Contract End | Technology | | 2016 | 1/1/2016 | 2/1/2016 | 3/1/2016 | 4/1/2016 | 5/1/2016 | 6/1/2016 | 7/1/2016 | 8/1/2016 | 9/1/2016 | 10/1/2016 | 11/1/2016 | 12/1/2016 |
| 33R171AB | Pristine Sun Terzian | 6/17/2014 | 6/16/2034 | SOLAR PV | | 2,499 | 108 | 195 | 195 | 233 | 202 | 247 | 331 | 322 | 287 | 228 | 92 | 57 |
| 33R177AB | Pristine Sun Christensen | 2/7/2014 | 2/6/2034 | SOLAR PV | | 2,276 | 83 | 171 | 183 | 206 | 249 | 283 | 324 | 255 | 233 | 168 | 74 | 46 |
| 33R184AB | Bear Creek Solar Project | 2/5/2014 | 2/4/2034 | SOLAR PV | | 3,592 | 131 | 260 | 305 | 381 | 417 | 444 | 497 | 425 | 320 | 238 | 104 | 68 |
| 33R190AB | Pristine Sun Cotton | 3/3/2014 | 3/2/2034 | SOLAR PV | | 1,997 | 58 | 140 | 136 | 238 | 250 | 257 | 312 | 226 | 204 | 55 | 65 | 50 |
| 33R195AB | Pristine Sun Jardine | 3/3/2014 | 3/2/2034 | SOLAR PV | | 2,497 | 121 | 205 | 219 | 246 | 263 | 279 | 294 | 262 | 248 | 203 | 85 | 73 |
| 33R198AB | Pristine Sun Buzzelle | 3/6/2014 | 3/5/2034 | SOLAR PV | | 1,295 | 37 | 77 | 90 | 132 | 145 | 159 | 174 | 154 | 130 | 76 | 65 | 55 |
| 33R201AB | Pristine Sun Harris | 12/2/2014 | 12/1/2034 | SOLAR PV | | 2,556 | 78 | 154 | 185 | 288 | 244 | 334 | 387 | 325 | 266 | 157 | 83 | 58 |
| 33R202AB | Pristine Sun Scherz | 3/3/2014 | 3/2/2034 | SOLAR PV | | 1,179 | 47 | 84 | 100 | 117 | 135 | 140 | 148 | 130 | 114 | 84 | 42 | 36 |
| 33R204AB | Pristine Sun Hill | 2/20/2014 | 2/19/2034 | SOLAR PV | | 675 | 24 | 45 | 42 | 60 | 70 | 70 | 81 | 69 | 58 | 38 | 64 | 54 |
| 33R232AB | Kettleman Solar | 3/14/2014 | 3/13/2034 | SOLAR PV | | 2,332 | 83 | 172 | 207 | 264 | 174 | 299 | 321 | 297 | 236 | 163 | 70 | 45 |
| 33R233AB | Wintner Solar | 3/6/2014 | 3/5/2034 | SOLAR PV | | 4,136 | 157 | 313 | 355 | 404 | 467 | 499 | 466 | 417 | 307 | 127 | 109 | |
| 33R267 | RE Kent South - PV PPA 2 | 12/29/2014 | 2/18/2035 | SOLAR PV | | 52,860 | 1,807 | 3,570 | 4,638 | 4,139 | 6,150 | 6,612 | 6,716 | 5,651 | 5,195 | 3,850 | 2,675 | 1,857 |
| 33R272 | Algonquin SKIC 20 Solar - PV 2 | 4/14/2015 | 5/14/2035 | SOLAR PV | | 46,331 | 1,578 | 2,374 | 3,910 | 3,910 | 5,309 | 5,447 | 6,181 | 5,299 | 4,468 | 3,096 | 2,780 | 1,980 |
| 33R280 | Corcoran Irrigation District Solar PV Project (Corcoran) - RAM 2 | 1/20/2015 | 3/19/2035 | SOLAR PV | | 52,761 | 1,731 | 3,469 | 4,758 | 5,450 | 6,270 | 6,714 | 6,784 | 6,074 | 4,564 | 2,938 | 2,361 | 1,648 |
| 33R281AB | Ecos Energy - Hollister Project | 4/17/2015 | 4/16/2035 | SOLAR PV | | 3,643 | 160 | 263 | 302 | 348 | 390 | 478 | 447 | 386 | 361 | 252 | 138 | 119 |
| 33R282AB | Ecos Energy - Merced Solar Project | 5/12/2015 | 5/11/2035 | SOLAR PV | | 3,472 | 143 | 279 | 305 | 392 | 428 | 450 | 446 | 363 | 284 | 218 | 102 | 63 |
| 33R285AB | Ecos Energy - Mission Solar | 5/23/2015 | 5/22/2035 | SOLAR PV | | 3,442 | 155 | 256 | 337 | 372 | 385 | 471 | 431 | 392 | 283 | 195 | 102 | 63 |
| 33R288 | RE Old River One LLC - RAM 3 | 12/30/2014 | 2/8/2035 | SOLAR PV | | 51,343 | 1,794 | 3,411 | 4,541 | 4,810 | 5,803 | 6,399 | 6,343 | 5,512 | 4,563 | 3,306 | 2,732 | 2,128 |
| 33R315AB | Bakersfield III | 7/28/2015 | 7/27/2035 | SOLAR PV | | 3,318 | 136 | 248 | 304 | 325 | 399 | 416 | 441 | 376 | 314 | 170 | 111 | 79 |
| Grand Total | | | | | | 244,220 | 8,428 | 15,687 | 21,112 | 22,316 | 26,032 | 29,998 | 31,175 | 26,986 | 22,546 | 15,740 | 11,870 | 8,594 |

| LogNumber | Name | Contract Begin | Contract End | Technology | 2016 | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-16 | Dec-16 |
|----------------------|--|----------------|--------------|---------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 33R171AB | Pristine Sun Terzian | 6/17/2014 | 6/16/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R177AB | Pristine Sun Christensen | 2/7/2014 | 2/6/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R184AB | Bear Creek Solar Project | 2/5/2014 | 2/4/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R190AB | Pristine Sun Cotton | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R195AB | Pristine Sun Jardine | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R198AB | Pristine Sun Buzzelle | 3/6/2014 | 3/5/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R201AB | Pristine Sun Harris | 12/2/2014 | 12/1/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R202AB | Pristine Sun Scherz | 3/3/2014 | 3/2/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R204AB | Pristine Sun Hill | 2/20/2014 | 2/19/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R232AB | Kellerman Solar | 3/14/2014 | 3/13/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R233AB | Vintner Solar | 3/6/2014 | 3/5/2034 | SOLAR PV | | | | | | | | | | | | | |
| 33R267 | RE Kent South - PV PPA 2 | 12/29/2014 | 2/18/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R272 | Algonquin SKIC 20 Solar - PV 2 | 4/14/2015 | 5/14/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R280 | Corcoran Irrigation District Solar PV Project (Corcoran) - RAM 2 | 1/20/2015 | 3/19/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R281AB | Ecos Energy - Hollister Project | 4/17/2015 | 4/16/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R282AB | Ecos Energy - Merced Solar Project | 5/12/2015 | 5/11/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R285AB | Ecos Energy - Mission Solar | 5/23/2015 | 5/22/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R288 | RE Old River One LLC - RAM 3 | 12/30/2014 | 2/8/2035 | SOLAR PV | | | | | | | | | | | | | |
| 33R315AB | Bakersfield III | 7/28/2015 | 7/27/2035 | SOLAR PV | | | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | | | | | | |
| Actuals and Forecast | | | | (w/ff&u @ 0.011885) | | | | | | | | | | | | | |
| 2016 Rate | | | | | \$ | 95.50 | | | | | | | | | | | |
| True-up \$/MWh | | | | | | | | | | | | | | | | | |
| 2016 Load | | | | | | | | | | | | | | | | | |
| True-up Entry | | | | | | | | | | | | | | | | | |

| Sum of \$ BUY | | | | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| Row Labels | CONTRACT NAME | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Grand Total |
| 33R171AB | PRISTINE SUN TERZIAN | | | | | | | | | | | |
| 33R177AB | 2102 CHRISTENSEN PRISTINE SUN | | | | | | | | | | | |
| 33R184AB | BEAR CREEK SOLAR LLC | | | | | | | | | | | |
| 33R190AB | 2096 COTTON PRISTINE SUN LLC | | | | | | | | | | | |
| 33R195AB | 2056 JARDINE PRISTINE SUN LLC | | | | | | | | | | | |
| 33R198AB | 2094 BUZZELLE PRISTINE SUN LLC | | | | | | | | | | | |
| 33R201AB | 2127 HARRIS PRISTINE SUN LLC | | | | | | | | | | | |
| 33R202AB | PRISTINE SUN SCHERZ | | | | | | | | | | | |
| 33R204AB | 2103 HILL PRISTINE SUN LLC | | | | | | | | | | | |
| 33R232AB | ECOS ENERGY LLC KETTLEMAN SOLAR PROJECT | | | | | | | | | | | |
| 33R233AB | VINTNER SOLAR PROJECT | | | | | | | | | | | |
| 33R267 | KENT SOUTH - PV 2 | | | | | | | | | | | |
| 33R272 | ALGONQUIN SKIC 20 SOLAR, LLC | | | | | | | | | | | |
| 33R280 | CID SOLAR, LLC | | | | | | | | | | | |
| 33R281AB | HOLLISTER SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R282AB | MERCED SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R285AB | MISSION SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R288 | OLD RIVER ONE LLC - RAM 3 | | | | | | | | | | | |
| 33R315AB | BAKERSFIELD 111 LLC | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | |

| Sum of MWH | | | | | | | | | | | | |
|--------------------|---|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Row Labels | CONTRACT NAME | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Grand Total |
| 33R171AB | PRISTINE SUN TERZIAN | 108 | 195 | 195 | 233 | 202 | 247 | 331 | 322 | 287 | 228 | 2,349 |
| 33R177AB | 2102 CHRISTENSEN PRISTINE SUN | 83 | 171 | 183 | 206 | 249 | 283 | 324 | 255 | 233 | 168 | 2,156 |
| 33R184AB | BEAR CREEK SOLAR LLC | 131 | 260 | 305 | 381 | 417 | 444 | 497 | 425 | 320 | 238 | 3,419 |
| 33R190AB | 2096 COTTON PRISTINE SUN LLC | 58 | 140 | 136 | 238 | 250 | 257 | 312 | 226 | 204 | 55 | 1,876 |
| 33R195AB | 2056 JARDINE PRISTINE SUN LLC | 121 | 205 | 219 | 246 | 263 | 279 | 294 | 262 | 248 | 203 | 2,340 |
| 33R198AB | 2094 BUZZELLE PRISTINE SUN LLC | 37 | 77 | 90 | 132 | 145 | 159 | 174 | 154 | 130 | 76 | 1,175 |
| 33R201AB | 2127 HARRIS PRISTINE SUN LLC | 78 | 154 | 185 | 288 | 244 | 334 | 387 | 325 | 266 | 157 | 2,416 |
| 33R202AB | PRISTINE SUN SCHERZ | 47 | 84 | 100 | 117 | 135 | 140 | 148 | 130 | 114 | 84 | 1,100 |
| 33R204AB | 2103 HILL PRISTINE SUN LLC | 24 | 45 | 42 | 60 | 70 | 70 | 81 | 69 | 58 | 38 | 557 |
| 33R232AB | ECOS ENERGY LLC KETTLEMAN SOLAR PROJECT | 83 | 172 | 207 | 266 | 174 | 299 | 321 | 297 | 236 | 163 | 2,218 |
| 33R233AB | VINTNER SOLAR PROJECT | 157 | 313 | 355 | 404 | 467 | 499 | 517 | 466 | 417 | 307 | 3,900 |
| 33R267 | KENT SOUTH - PV 2 | 1,807 | 3,570 | 4,638 | 4,139 | 6,150 | 6,612 | 6,716 | 5,651 | 5,195 | 3,850 | 48,328 |
| 33R272 | ALGONQUIN SKIC 20 SOLAR, LLC | 1,578 | 2,374 | 3,910 | 3,910 | 5,309 | 5,447 | 6,181 | 5,299 | 4,468 | 3,096 | 41,571 |
| 33R280 | CID SOLAR, LLC | 1,731 | 3,469 | 4,758 | 5,450 | 6,270 | 6,714 | 6,784 | 6,074 | 4,564 | 2,938 | 48,752 |
| 33R281AB | HOLLISTER SOLAR ECOS ENERGY | 160 | 263 | 302 | 348 | 390 | 478 | 447 | 386 | 361 | 252 | 3,387 |
| 33R282AB | MERCED SOLAR ECOS ENERGY | 143 | 279 | 305 | 392 | 428 | 450 | 446 | 363 | 284 | 218 | 3,307 |
| 33R285AB | MISSION SOLAR ECOS ENERGY | 155 | 256 | 337 | 372 | 385 | 471 | 431 | 392 | 283 | 195 | 3,277 |
| 33R288 | OLD RIVER ONE LLC - RAM 3 | 1,794 | 3,411 | 4,541 | 4,810 | 5,803 | 6,399 | 6,343 | 5,512 | 4,563 | 3,306 | 46,482 |
| 33R315AB | BAKERSFIELD 111 LLC | 136 | 248 | 304 | 325 | 399 | 416 | 441 | 376 | 314 | 170 | 3,129 |
| Grand Total | | 8,428 | 15,687 | 21,112 | 22,316 | 27,752 | 29,998 | 31,175 | 26,986 | 22,546 | 15,740 | 221,740 |

| Average Cost per MWh | | Jan-16 | Feb-16 | Mar-16 | Apr-16 | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Grand Total |
|----------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| Row Labels | CONTRACT NAME | | | | | | | | | | | |
| 33R171AB | PRISTINE SUN TERZIAN | | | | | | | | | | | |
| 33R177AB | 2102 CHRISTENSEN PRISTINE SUN | | | | | | | | | | | |
| 33R184AB | BEAR CREEK SOLAR LLC | | | | | | | | | | | |
| 33R190AB | 2096 COTTON PRISTINE SUN LLC | | | | | | | | | | | |
| 33R195AB | 2056 JARDINE PRISTINE SUN LLC | | | | | | | | | | | |
| 33R198AB | 2094 BUZZELLE PRISTINE SUN LLC | | | | | | | | | | | |
| 33R201AB | 2127 HARRIS PRISTINE SUN LLC | | | | | | | | | | | |
| 33R202AB | PRISTINE SUN SCHERZ | | | | | | | | | | | |
| 33R204AB | 2103 HILL PRISTINE SUN LLC | | | | | | | | | | | |
| 33R232AB | ECOS ENERGY LLC KETTLEMAN SOLAR PROJECT | | | | | | | | | | | |
| 33R233AB | VINTNER SOLAR PROJECT | | | | | | | | | | | |
| 33R267 | KENT SOUTH - PV 2 | | | | | | | | | | | |
| 33R272 | ALGONQUIN SKIC 20 SOLAR, LLC | | | | | | | | | | | |
| 33R280 | CID SOLAR, LLC | | | | | | | | | | | |
| 33R281AB | HOLLISTER SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R282AB | MERCED SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R285AB | MISSION SOLAR ECOS ENERGY | | | | | | | | | | | |
| 33R288 | OLD RIVER ONE LLC - RAM 3 | | | | | | | | | | | |
| 33R315AB | BAKERSFIELD 111 LLC | | | | | | | | | | | |
| Grand Total | | | | | | | | | | | | |

Grid Management Charge - 2017 GTSR Rate

| Description | CAISO GMC Charge | |
|---------------------------|---|------------------------------|
| | 3-year Average of Actuals (2013 - 2017) | |
| ISO Grid Magement Charges | \$ 55,222,074 | 3-year average (2013 - 2015) |
| Bundled Load (MWh) | 75,276,964 | |
| Average Rate (\$/MWh) | \$ 0.730 | |
| Average Rate (\$/kWh) | \$ 0.00073 | |

| Bundled Load | | Grid Management Charge | |
|--------------------------------|-------------------|------------------------|-----------------|
| | (1) | (2) | (3) = (2) / (1) |
| | Page 300 (MWh) | Page 397 (\$) | |
| 2013 | | | |
| Retail | 86,813,165 | | |
| Sales for Resale | 1,509,748 | | |
| DA/CCA | 10,423,165 | | |
| Bunded (Retail less DA) | 76,390,000 | \$ 55,939,656 | 0.73 |
| 2014 | | | |
| Retail | 86,603,766 | | |
| Sales for Resale | 1,585,919 | | |
| DA/CCA | 11,392,295 | | |
| Bunded (Retail less DA) | 75,211,471 | \$ 54,318,878 | 0.72 |
| 2015 | | | |
| Retail | 86,167,420 | | |
| Sales for Resale | 1,813,603 | | |
| DA/CCA | 11,938,000 | | |
| Bunded (Retail less DA) | 74,229,420 | \$ 55,407,687 | 0.75 |

Advice Letter 4988-E

Green Tariff Shared Renewables

WREGIS fees and ARB/VRE Administration

WREGIS fees source: <http://www.wecc.biz/WREGIS/Documents/WREGIS%20Fee%20Matrix%20and%20Definitions.pdf>

| | |
|---------------------------|-----------------|
| Annual account holder fee | \$1,500 |
| REC transfer fee | \$0.005 per MWh |
| REC retirement fee | \$0.010 per MWh |

| | | | | | |
|----------------|--------|--------|---------|---------|---------|
| Total MWh/year | 22,155 | 71,708 | 373,524 | 417,468 | 439,440 |
|----------------|--------|--------|---------|---------|---------|

Assumptions:

Years 1 and 2: RECs may be transferred from RPS account, incurring the \$0.005/MWh transfer fee in addition to \$0.01/MWh retirement fee

Years 3 and beyond:

\$0.01/MWh retirement fee

| | 2015 | 2016 | 2017 | 2018 | 2019 | Total | Average Cost & Average Enrollment per Year | |
|--|---------|---------|---------|---------|---------|-----------|--|-----------------|
| REC fees | \$332 | \$1,076 | \$3,735 | \$4,175 | \$4,394 | | | |
| Account fee | \$1,500 | \$1,500 | \$1,500 | \$1,500 | \$1,500 | | | |
| | \$1,832 | \$2,576 | \$5,235 | \$5,675 | \$5,894 | \$21,212 | \$4,242.45 | |
| Expected Subscription (MWh) | 175,776 | 307,608 | 373,524 | 417,468 | 439,440 | 1,713,816 | 342,763 | |
| Fee (\$/MWh) | \$0.010 | \$0.008 | \$0.014 | \$0.014 | \$0.013 | \$0.012 | \$0.012 | Fee (\$/MWh) |
| | | | | | | | \$0.001 | Fee (cents/kWh) |
| Nominal labor hours (tbd) to facilitate ARB/VRE retirement of offsets. | | | | | | | \$0.00001 | |

COST ESTIMATES

| Line No. | ESTIMATED INTERNAL ADMIN COSTS | 2015 | Jan - July 2016 | Aug - Dec 2016 | 2017 |
|------------------------------|--------------------------------|---------------|-----------------|----------------|--------------|
| | | Year 0 | Year 1 | Year 1 | Year 2 |
| 1 | Program Management | \$ 529,511 | \$ 370,025 | \$ 141,801 | \$ 321,044 |
| 2 | Outreach | \$ 238,766 | \$ 359,306 | \$ 304,003 | \$ 864,045 |
| 3 | ECR Outreach | | \$ 105,221 | \$ 140,377 | \$ 465,255 |
| 4 | Contact Center Operations | \$ 16,419 | \$ 23,824 | \$ 15,000 | \$ 100,000 |
| 5 | IT/Billing System | \$ 1,347,643 | \$ 301,191 | | \$ 1,650,000 |
| 6 | Energy Procurement | \$ 111,740.00 | \$ 43,807.00 | \$ 50,000 | \$ 142,584 |
| Total Internal Admin | | \$ 2,005,313 | \$ 738,847 | \$ 206,801 | \$ 2,213,628 |
| Total Internal GT Marketing | | \$ 238,766 | \$ 359,306 | \$ 304,003 | \$ 864,045 |
| Total Internal ECR Marketing | | \$ - | \$ 105,221 | \$ 140,377 | \$ 465,255 |
| Grand Total | | \$ 2,244,079 | \$ 1,203,374 | \$ 651,181 | \$ 3,542,928 |

| TOTAL ADMIN AND MARKETING COST PER KWh ESTIMATE | | |
|---|---|---------------------------|
| Rate Analysis | | |
| GT and ECR Admin | | <i>A&M Allocation</i> |
| | kWh over 20 years: | 5,555,488,000 |
| | Admin cost over 20 years | 10,406,597 |
| | Admin cost per kWh | \$ 0.00187 |
| | w/ ff&u | \$ 0.00189 |
| GT Marketing | | |
| | Total GT KWh over 20 Years | 709,456,000 |
| | Total GT Marketing cost over 20 years | 2,883,706 |
| | Marketing cost per kWh | \$ 0.00406 |
| | w/ ff&u | \$ 0.00411 |
| ECR Marketing | | |
| | Total ECR KWh over 20 Years | 4,846,032,000 |
| | Total ECR Marketing cost over 20 years | \$ 3,043,721 |
| | Marketing cost per kWh | \$ 0.00063 |
| | w/ ff&u | \$ 0.00064 |
| Program Total | | |
| | Total kWh over 20 years: | 5,555,488,000 |
| | Total Admin & Marketing cost over 20 years: | \$ 16,334,024 |
| <hr/> | | |
| Green Tariff | GT A&M | \$ 0.00600 |
| Enhanced Community Renewables | ECR A&M | \$ 0.00253 |

2017

| Solar Value Adjustment by Class | TOD Ratio | Class Average Generation Rate ^[1] (\$/kWh) | TOD Solar Value Adjustment (\$/kWh)* | TOD Solar Value Adjustment (cents/kWh)* |
|---------------------------------|-----------|---|--------------------------------------|---|
| Residential | 1.023 | 0.09838 | 0.00226 | 0.22600 |
| Small Light and Power | 1.046 | 0.09831 | 0.00452 | 0.45200 |
| Medium Light & Power | 1.027 | 0.09831 | 0.00265 | 0.26500 |
| Large Commercial | 1.049 | 0.10253 | 0.00502 | 0.50200 |
| Streetlights | 1.063 | 0.09443 | 0.00595 | 0.59500 |
| Agriculture | 1.043 | 0.07997 | 0.00344 | 0.34400 |
| Industrial - T | 1.054 | 0.08204 | 0.00443 | 0.44300 |
| Industrial - P | 1.054 | 0.07929 | 0.00428 | 0.42800 |
| Industrial - S | 1.054 | 0.08619 | 0.00465 | 0.46500 |

[1] based on Annual Electric True-up Advice Letter 4902-E-A, preliminary rates effective January 1, 2017; includes FF&U

TABLE 9-3, in part
PACIFIC GAS AND ELECTRIC COMPANY
2017 ERRR Forecast, Table 9-3 excerpt for TBCC Capacity Adder

| Line No. | | 2017 Portfolio TBCC Adders | |
|----------|-----------------|----------------------------------|-------|
| 1 | Capacity Adder | TBCC \$ | 12.53 |
| | FF&U = 0.011885 | TBCC w/ff&u \$ | 12.68 |

Attachment C

Declaration & Confidential Matrix

**DECLARATION OF DONNA L. BARRY IN SUPPORT OF
ADVICE 4988-E**

PG&E'S 2017 GREEN TARIFF SHARED RENEWABLES PROGRAM RATES

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 revenue requirements section, in the General Rate Case and Regulatory Operations Department at Pacific Gas and Electric Company (PG&E). In this position, I am responsible for the developing and sponsoring a variety cost recovery proposals in rate cases and associated compliance reporting requirements at PG&E. In carrying out these responsibilities, I have acquired knowledge of the transactions types purchased for PG&E's electric portfolio and I am familiar the generation costs that are included in the Green Tariff Shared Renewables (GTSR) program rates. This declaration is based on my personal knowledge of PG&E's practices and my understanding of the Commission's decisions protecting the confidentiality of market-sensitive information.
2. Based on my knowledge and experience, and in accordance with Decisions 06-06-066, 08-04-023, and relevant Commission rules, I make this declaration seeking confidential treatment for the data provided in Appendix B.
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 confidential market sensitive data and information covered by Decision 06-06-066, Appendix 1 and General Order 66-C. The matrix also specifies why confidential protection is justified. Further, the data and information: (1) is not already public; and (2) cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By reference, I am incorporating into

this declaration all of the explanatory text that is pertinent to my testimony 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 December 28, 2016, at San Francisco, California.

/s/

DONNA L. BARRY

PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

**ADVICE LETTER 4988-E
2017 GREEN TARIFF SHARED RENEWABLES PROGRAM RATES
DECEMBER 28, 2016**

IDENTIFICATION OF CONFIDENTIAL INFORMATION

| Redaction Reference | Category from D.06-06-066, Appendix 1, or Separate Confidentiality Order That Data Corresponds To | Justification for Confidential Treatment | Length of Time Data To Be Kept Confidential |
|---|---|--|--|
| Document: Attachment B | | | |
| TAB: 2017 Solar Value Generation | II.B.4 – Cost Forecast Data – Electric; Non-QF bilateral contracts IV.F – Production Forecast of Post-1/1/2003 contracts | Confidential. Public by resource category (e.g. fossil, wind, solar, hydro-electric, etc.) after three years. Confidential forecast of capacity rating and/or expected output for individual contracts. Aggregated annual capacity and energy data from all post-1/1/2003 contracts public. | Three years. Three years. |
| TAB: 2017 Interim Pool | II.B.4 – Cost Forecast Data – Electric; Non-QF bilateral contracts | Confidential. Public by resource category (e.g. fossil, wind, solar, hydro-electric, etc.) after three years. | Three years. |

PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

**ADVICE LETTER 4988-E
2017 GREEN TARIFF SHARED RENEWABLES PROGRAM RATES
DECEMBER 28, 2016**

IDENTIFICATION OF CONFIDENTIAL INFORMATION

| Redaction Reference | Category from D.06-06-066, Appendix 1, or Separate Confidentiality Order That Data Corresponds To | Justification for Confidential Treatment | Length of Time Data To Be Kept Confidential |
|--------------------------------------|--|---|--|
| TAB: 2016 Interim Pool True-up | XI. Monthly Procurement Costs Energy Resource Recovery Account Filings | Recorded cost and generation data for individual contracts is market sensitive. | Three Years |
| | II.B.4 – Cost Forecast Data – Electric; Non-QF bilateral contracts | Confidential forecast of capacity rating and/or expected output for individual contracts. Aggregated annual capacity and energy data from all post-1/1/2003 contracts public. | Three years. |
| TAB: 2016 Interim Pool – Actuals YTD | XI. Monthly Procurement Costs Energy Resource Recovery Account Filings | Recorded cost and generation data for individual contracts is market sensitive. | Three years |

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

| | | |
|---|---|--|
| AT&T | Division of Ratepayer Advocates | Office of Ratepayer Advocates |
| Albion Power Company | Don Pickett & Associates, Inc. | OnGrid Solar |
| Alcantar & Kahl LLP | Douglass & Liddell | Pacific Gas and Electric Company |
| Anderson & Poole | Downey & Brand | Praxair |
| Atlas ReFuel | Ellison Schneider & Harris LLP | Regulatory & Cogeneration Service, Inc. |
| BART | Evaluation + Strategy for Social Innovation | SCD Energy Solutions |
| Barkovich & Yap, Inc. | G. A. Krause & Assoc. | SCE |
| Bartle Wells Associates | GenOn Energy Inc. | SDG&E and SoCalGas |
| Braun Blaising McLaughlin & Smith, P.C. | GenOn Energy, Inc. | SPURR |
| Braun Blaising McLaughlin, P.C. | Goodin, MacBride, Squeri, Schlotz & Ritchie | San Francisco Water Power and Sewer |
| CENERGY POWER | Green Charge Networks | Seattle City Light |
| CPUC | Green Power Institute | Sempra Energy (Socal Gas) |
| California Cotton Ginners & Growers Assn | Hanna & Morton | Sempra Utilities |
| California Energy Commission | ICF | SoCalGas |
| California Public Utilities Commission | International Power Technology | Southern California Edison Company |
| California State Association of Counties | Intestate Gas Services, Inc. | Southern California Gas Company (SoCalGas) |
| Calpine | Kelly Group | Spark Energy |
| Casner, Steve | Ken Bohn Consulting | Sun Light & Power |
| Center for Biological Diversity | Leviton Manufacturing Co., Inc. | Sunshine Design |
| City of Palo Alto | Linde | Tecogen, Inc. |
| City of San Jose | Los Angeles County Integrated Waste Management Task Force | TerraVerde Renewable Partners |
| Clean Power | Los Angeles Dept of Water & Power | TerraVerde Renewable Partners, LLC |
| Clean Power Research | MRW & Associates | Tiger Natural Gas, Inc. |
| Coast Economic Consulting | Manatt Phelps Phillips | TransCanada |
| Commercial Energy | Marin Energy Authority | Troutman Sanders LLP |
| 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 |
| Crown Road Energy, LLC | Morgan Stanley | Verizon |
| Davis Wright Tremaine LLP | NLine Energy, Inc. | Water and Energy Consulting |
| Day Carter Murphy | NRG Solar | Wellhead Electric Company |
| Defense Energy Support Center | Nexant, Inc. | Western Manufactured Housing Communities Association (WMA) |
| Dept of General Services | ORA | YEP Energy |