

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



REVISED

March 13, 2018

**Advice Letter 3710-E  
3710-E-A**

Russell G. Worden  
Director, State Regulatory Operations  
Southern California Edison Company  
8631 Rush Street  
Rosemead, CA 91770

**SUBJECT: Green Tariff Shared Renewables Program Rate Component Updates  
for 2018**

Dear Mr. Worden:

Advice Letter 3710-E and supplemental 3710-E-A are effective as of January 1, 2018.

Sincerely,

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

Edward Randolph  
Director, Energy Division

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November 30, 2017

**ADVICE 3710-E  
(U 338-E)**

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA  
ENERGY DIVISION

**SUBJECT:** Green Tariff Shared Renewables Program Rate Component  
Updates for 2018

Pursuant to Decision (D.)15-01-051, Southern California Edison Company (SCE) hereby submits for filing the following changes to its tariffs. The revised tariff sheets are listed on Attachment A and are attached hereto.

**PURPOSE**

The purpose of this advice filing is to update the rate components included in SCE's Green Tariff Shared Renewables (GTSR) Program rate schedules for 2018, as required by D.15-01-051 (or the Decision).

**BACKGROUND**

On September 28, 2013, Governor Brown signed Senate Bill (SB) 43 (Wolk, 2013) into law.<sup>1</sup> SB 43 enacted the GTSR Program, a 600 megawatt (MW) statewide program that allows participating utility<sup>2</sup> customers – including local governments, businesses, schools, homeowners, municipal customers, and renters – to meet either 50 or 100 percent of their energy usage with generation from eligible renewable energy resources.

On January 29, 2015, the Commission adopted D.15-01-051, which implemented a GTSR Program framework based on the requirements of SB 43. The GTSR Program structure approved by the Commission consists of two elements: (1) a Green Tariff option that allows customers to purchase energy with a greater share of renewables (*i.e.*, the Green Rate option for SCE) and (2) an Enhanced Community Renewables

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<sup>1</sup> SB 43 was codified in California Public Utilities Code Section 2831 *et seq.*

<sup>2</sup> Participating utility means “an electrical corporation with 100,000 or more customer accounts in California.” Cal. Pub. Util. Code § 2831.5(b)(2). SCE is a participating utility.

option that allows customers to subscribe to renewable energy from specific community-based projects (*i.e.*, the Community Renewables option for SCE).<sup>3</sup>

On May 13, 2015, SCE submitted three advice letters, referred to as (1) the Customer Service Implementation Advice Letter (CSIAL) – Advice 3219-E, which included a proposed rate design methodology in compliance with requirements of the Decision and included a calculation of GTSR Program rates for 2015; (2) the Marketing Implementation Advice Letter (MIAL) – Advice 3220-E; and (3) the Joint Procurement Implementation Advice Letter (JPIAL) – Advice 3218-E, which was a joint filing by the three investor-owned utilities (IOUs).<sup>4</sup> On October 1, 2015, the Commission adopted Resolution E-4734 (the Resolution), which approved the CSIAL and JPIAL as modified by the Resolution, and adopted SCE’s rate design methodology and 2015 GTSR Program rates as proposed.<sup>5</sup>

On December 2, 2016 and December 29, 2016, SCE filed Advice 3525-E and Advice 3525-E-A, respectively to update the rate components included in SCE’s GTSR Program rate schedules for 2016.<sup>6</sup>

## **DISCUSSION**

As outlined in the Decision, it is necessary to update the various rate components that comprise the GTSR Program charges and credits on an annual basis. Specifically, the Decision states that “[i]t is appropriate for an investor-owned utility (IOU) to provide a summary and true-up of costs and revenues against charges and credits applied to GTSR customers on an annual basis, either through the IOU’s annual Energy Resource Recovery Account (ERRA) process or in a separate application.”<sup>7</sup> The Decision also references the IOUs’ filing of annual Tier 2 advice letters to “[summarize] true-up of costs and revenues against charges and credits applied to GTSR customer bills.”<sup>8</sup> Thus, as outlined in its CSIAL, SCE can update its GTSR Program rate components in its ERRA proceeding, through a Tier 2 advice letter, or by separate application. SCE is opting to update the GTSR Program rate components for 2018 through this Tier 2 advice filing.

### **2018 GTSR Program Rate Component Updates**

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<sup>3</sup> See the Decision at pp. 3-4.

<sup>4</sup> The IOUs include SCE, Pacific Gas and Electric Company (PG&E), and San Diego Gas & Electric Company (SDG&E).

<sup>5</sup> On October 21, 2015, SCE filed Advice 3218-E-A (JPIAL update), 3219-E-A (CSIAL update), and 3297-E (SCE-specific JPIAL tariffs) to comply with the Resolution.

<sup>6</sup> The Commission approved Advice 3525-E and Advice 3525-E-A, which updated the GTSR Program rate components for 2017, on May 31, 2017, with a January 1, 2017 effective date.

<sup>7</sup> D.15-01-051 at Conclusion of Law 59.

<sup>8</sup> *Id.* at p. 142.

The Decision adopted a detailed framework for various GTSR Program charges and credits, and the Resolution approved SCE's proposed methodologies for calculating each rate component. Consistent with the approved methodologies, this filing updates the existing 2017 GTSR Program rate components to reflect the 2018 portfolio of Green Rate resources, and provides a summary of estimated 2018 costs and credits. SCE specifically notes the following:

- A positive time of delivery (TOD) adjustment is no longer expected due to a decrease in the wholesale price of energy since 2013, particularly during hours with the highest solar generation.

The wholesale energy price has decreased significantly since 2013. The drop is most pronounced in the hours around Noon. During this time, the amount of solar generation greatly exceeds load from rate groups. This outcome is partly due to aggressive targets associated with California's Renewables Portfolio Standard (RPS). Note also that the wholesale energy price increases the fastest during evening hours when the amount of solar generation is low. Yet, load from rate groups either grows or remains at the same level that it was at in prior years.

Significant decrease in the wholesale energy price during hours around Noon decreases the amount of credits that rate groups receive when generation exceeds load. Increase in the energy price during evening hours increases the amount that customers must pay, as peak and flex capacities must be reserved and then fired up to make up for any generation shortfalls that occur when load exceeds solar generation.

Taken together, these two trends turn what was once a credit into a charge for customers on Schedule GTSR – Green Rate.

- The Class Average Generation Credits are preliminary estimates, based on the forecast generation rates included in SCE's October update to its rates.<sup>9</sup> The Class Average Generation Credits will be updated on January 1, 2018, based on Commission decisions in various proceedings.
- The 2018 Administrative and Marketing, Education, and Outreach (ME&O) charges are set, based on amortization of the following components over 20 years.<sup>10</sup> They include: startup costs, forecasted Administrative and ME&O expenditures for 2018, and any unrecovered balances in the Administrative and ME&O Memorandum Accounts. Subscription levels for the Community Renewables (CR) program are expected to ramp up to 27 megawatt hour (MWh), 61 MWh, and 96 MWh in 2019,

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<sup>9</sup> On October 23, 2017, the Commission approved Advice 3659-E, which updated rates by removing collection of SCE's share of total authorized IOU New Solar Homes Partnership Program funding over a 12-month period that began on October 1, 2016. Advice 3659-E became effective on October 1, 2017.

<sup>10</sup> Per Sections 3.2 and 3.3 of D.16-05-006, customers on Schedule GTSR – Green Rate (GR) may continue to subscribe to the GTSR program for a period of up to 20 years. Customers on Schedule GTSR – Community Renewables (CR) can sign up for contracts with their providers for up to 20 years.

2020, and 2021, respectively. Customers on Schedule GTSR – CR are expected to sign 10-year contracts with developers.

The values included in the table below represent charges and credits that are applicable to residential GTSR Program customers in 2018. Workpapers supporting updates to the rates, as well as charges and credits for other customer classes, are included in Attachment B. SCE will follow up this filing with a supplemental advice letter which will include the updated Class Average Generation Credit (CAGC) for rates effective January 1, 2018.

<b>\$/kWh</b>	<b>Green Rate</b>	<b>Community Renewables</b>
<b>Charges</b>		
Renewable Power Rate	0.07607	0.00000
Power Charge Indifference Adjustment (PCIA) <sup>11</sup>	0.01805	001805
Competition Transition Charge (CTC)	0.00075	0.00075
California Independent System Operator (CAISO) Grid Charge <sup>12</sup>	0.00050	0.00050
Western Renewable Energy Generation Information System (WREGIS) Charge	0.00001	0.00001
Resource Adequacy (RA) Adjustment	0.00629	CR Facility Specific
Renewables Integration Cost (RIC) Charge	0.00000	0.00000
Administrative Charge <sup>13</sup>	0.00085	0.00085
Marketing, Education, and Outreach (ME&O) Charge	0.00716	0.00003
<b>Total Charges</b>	<b>0.10968</b>	<b>CR Facility Specific</b>

<sup>11</sup> In the GTSR Program customer tariffs, the PCIA and CTC are shown in aggregate as the GTSR Indifference Adjustment.

<sup>12</sup> In the GTSR Program customer tariffs, the CAISO Grid Charge and WREGIS Charge are shown in aggregate as the CAISO Grid and WREGIS Charges.

<sup>13</sup> In the GTSR Program customer tariffs, the Administrative Charge and ME&O Charge are shown in aggregate as the Program Administration Charge.

<b>\$/kWh</b>	<b>Green Rate</b>	<b>Community Renewables</b>
<b>Credits</b>		
Class Average Generation Credit <sup>14</sup>	0.07564	0.07564
Time-of-Delivery (TOD) Adjustment	-0.01366	CR Facility Specific
<b>Total Credits</b>	<b>0.06198</b>	<b>CR Facility Specific</b>

	<b>Green Rate</b>	<b>Community Renewables</b>
<b>Premium</b>		
	<b>0.04770</b>	<b>CR Facility Specific</b>

### **PROPOSED TARIFF CHANGES**

Pursuant to the discussion above, SCE proposes to modify the rate tables included in the Rates section of Schedule GTSR-GR, *Green Tariff Shared Renewables Green Rate*, and Schedule GTSR-CR, *Green Tariff Shared Renewables Community Renewables*, to reflect the 2018 rates for customers electing to participate in the GTSR Program.

### **CONFIDENTIALITY**

SCE is requesting protected treatment of the confidential version of Attachment C to this advice letter. The information for which SCE seeks confidential treatment is identified in the Confidentiality Declaration attached as Attachment D. The confidential version of this advice letter will be made available to appropriate parties (in accordance with SCE's Proposed Protective Order, as discussed below) upon execution of the required nondisclosure agreement. Parties wishing to obtain access to the confidential version of this advice letter may contact Vivian Le in SCE's Law Department at [vivian.le@sce.com](mailto:vivian.le@sce.com) or (626) 302-6093 to obtain a non-disclosure agreement. In accordance with General Order (GO) 96-B, a copy of SCE's Proposed Protective Order is attached hereto as Attachment E. It is appropriate to accord confidential treatment to the information for which SCE requests confidential treatment in the first instance in the advice letter process because such information is entitled to confidentiality protection pursuant to D.06-06-066, and is required to be filed by advice letter pursuant to D.15-01-051. SCE would object if the information were disclosed in an aggregated format.

<sup>14</sup> The 2018 Class Average Generation Credit for this advice filing is based on rates that were effective October 1, 2017, per Commission approval of Advice 3659-E on October 23, 2017.

The information in this advice letter for which SCE requests confidential treatment, the pages on which the information appears, and the length of time for which the information should remain confidential, are provided in Attachment D. This information is entitled to confidentiality protection pursuant to D.06-06-066 (as provided in the IOU Matrix). The specific provisions of the IOU Matrix that apply to the confidential information in this advice letter are identified in Attachment D.

### **LIST OF ATTACHMENTS**

Attachment A: Revised Tariffs

Attachment B: GTSR Program Rate Component Workpapers

Confidential/Public Attachment C: Dedicated Green Rate procurement project(s)

Attachment D: Confidentiality Declaration

Attachment E: Proposed Protective Order

### **TIER DESIGNATION**

Pursuant to the Decision,<sup>15</sup> this advice filing is submitted with a Tier 2 designation.

### **EFFECTIVE DATE**

This advice filing will become effective on January 1, 2018.

### **NOTICE**

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received no later than 20 days after the date of this advice filing. Protests should be submitted to:

CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, California 94102  
E-mail: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address as above).

In addition, protests and all other correspondence regarding this advice letter should be sent by letter and transmitted via facsimile or electronically to the attention of:

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<sup>15</sup> D.15-01-051 at p. 142.

Russell G. Worden  
Managing Director, State Regulatory Operations  
Southern California Edison Company  
8631 Rush Street  
Rosemead, California 91770  
Telephone: (626) 302-4177  
Facsimile: (626) 302-6396  
E-mail: [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com)

Laura Genao  
Managing Director, State Regulatory Affairs  
c/o Karyn Gansecki  
Southern California Edison Company  
601 Van Ness Avenue, Suite 2030  
San Francisco, California 94102  
Facsimile: (415) 929-5544  
E-mail: [Karyn.Gansecki@sce.com](mailto:Karyn.Gansecki@sce.com)

There are no restrictions on who may file a protest, but the protest must set forth specifically the grounds upon which it is based and must be received by the deadline shown above.

In accordance with General Rule 4 of General Order (GO) 96-B, SCE is serving copies of this advice filing to the interested parties shown on the attached GO 96-B and A.12-01-008 et al. service lists. Address change requests to the GO 96-B service list should be directed by electronic mail to [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com) or at (626) 302-3719. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing at SCE's corporate headquarters. To view other SCE advice letters filed with the Commission, log on to SCE's web site at <https://www.sce.com/wps/portal/home/regulatory/advice-letters>.

For questions, please contact Jenny Chen at (626) 302-8823 or by electronic mail at [Jennychienyi.Chen@sce.com](mailto:Jennychienyi.Chen@sce.com).

**Southern California Edison Company**

/s/ Russell G. Worden  
Russell G. Worden

RGW:jc:cm  
Enclosures



# 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.: Southern California Edison Company (U 338-E)

Utility type:

ELC       GAS  
 PLC       HEAT       WATER

Contact Person: Darrah Morgan

Phone #: (626) 302-2086

E-mail: [Darrah.Morgan@sce.com](mailto:Darrah.Morgan@sce.com)

E-mail Disposition Notice to: [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com)

EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 3710-E

Tier Designation: 2

Subject of AL: Green Tariff Shared Renewables Program Rate Component Updates for 2018

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 #:

Decision 15-01-051

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: \_\_\_\_\_

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

Confidential treatment requested?  Yes  No

If yes, specification of confidential information: See Attachment D

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement.

Name and contact information to request nondisclosure agreement/access to confidential information:

Vivian Le, Law Department, (626) 302-6093 or via email at [Vivian.Le@sce.com](mailto:Vivian.Le@sce.com).

Resolution Required?  Yes  No

Requested effective date: 1/1/18      No. of tariff sheets: -4-

Estimated system annual revenue effect: (%): \_\_\_\_\_

Estimated system average rate effect (%): \_\_\_\_\_

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: See Attachment A

Service affected and changes proposed<sup>1</sup>: \_\_\_\_\_

Pending advice letters that revise the same tariff sheets: None

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

**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 Avenue  
San Francisco, California 94102  
E-mail: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

Russell G. Worden  
Managing Director, State Regulatory Operations  
Southern California Edison Company  
8631 Rush Street  
Rosemead, California 91770  
Telephone: (626) 302-4177  
Facsimile: (626) 302-6396  
E-mail: [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com)

Laura Genao  
Managing Director, State Regulatory Affairs  
c/o Karyn Gansecki  
Southern California Edison Company  
601 Van Ness Avenue, Suite 2030  
San Francisco, California 94102  
Facsimile: (415) 929-5544  
E-mail: [Karyn.Gansecki@sce.com](mailto:Karyn.Gansecki@sce.com)

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 62697-E	Schedule GTSR-CR	Revised 60778-E
Revised 62698-E	Schedule GTSR-GR	Revised 60779-E
Revised 62699-E	Table of Contents	Revised 61102-E
Revised 62700-E	Table of Contents	Revised 61103-E

Schedule GTSR-CR Sheet 2  
GREEN TARIFF SHARED RENEWABLES COMMUNITY RENEWABLES

(Continued)

RATES

All charges and provisions of the Customer's Otherwise Applicable Tariff (OAT) apply, except that the total amount billed to the Customer by SCE shall be adjusted by applying the following additional credits and charges on a dollar per kilowatt-hour (\$/kWh) basis to the Customer's Subscription, as defined below. A breakdown of individual credits and charges and the historical trends and non-binding forecasts for each to the extent they are available can be found on SCE's GTSR Program webpage.

Component	(\$/kWh)
<b>Community Renewables Credit</b>	
Class Average Generation Credit	
Residential	(0.07564)
TOU-GS-1	(0.07687)
TOU-GS-2	(0.07185)
TOU-GS-3	(0.06783)
TOU-8-Sec	(0.06387)
TOU-8-Pri	(0.05988)
TOU-8-Sub	(0.05458)
TOU-8-S-Sec	(0.06384)
TOU-8-S-Pri	(0.06047)
TOU-8-S-Sub	(0.05296)
TOU-PA-2	(0.06224)
TOU-PA-3	(0.05168)
Street and Area Lighting	(0.04018)
TC-1	(0.05781)
Renewable Energy Value Adjustment	CR Facility Specific
<b>Community Renewables Charge</b>	
RPR	0.00000
GTSR Indifference Adjustment	See Schedule DA-CRS
CAISO Grid & WREGIS Charges	0.00051(I)
RA Adjustment	CR Facility Specific
Program Administration Charge	0.00088(R)
RIC Charge	0.00000

1. Credits. All of the following components appear in aggregate as the "Community Renewables Credit" under the Generation section of the Customer's regular billing statement from SCE and are updated annually as part of SCE's Energy Resource Recovery Account (ERRA) proceeding.
  - a. Class Average Generation Credit: Based on the class average retail generation rate as established in SCE's Commission-approved tariffs for the class to which the Customer's OAT belongs. In addition to the ERRA proceeding, this component will be updated whenever there is a substantial change to the generation revenue requirement, such as the implementation of Phase 1 of a General Rate Case.

(Continued)

(To be inserted by utility)  
 Advice 3710-E  
 Decision 15-05-051

Issued by  
Caroline Choi  
 Senior Vice President

(To be inserted by Cal. PUC)  
 Date Submitted Nov 30, 2017  
 Effective Jan 1, 2018  
 Resolution \_\_\_\_\_

Schedule GTSR-GR  
GREEN TARIFF SHARED RENEWABLES GREEN RATE

Sheet 2

(Continued)

RATES

All charges and provisions of the Customer's Otherwise Applicable Tariff (OAT) apply, except that the total amount billed to the Customer shall be adjusted by applying the following additional credits and charges on a dollar per kilowatt-hour (\$/kWh) basis to the Customer's Subscription, as defined below. A breakdown of all individual credits and charges and the historical trends and non-binding forecasts for each to the extent they are available can be found on SCE's GTSR Program webpage.

Component	(\$/kWh)
<b>Green Rate Credit</b>	
Class Average Generation Credit	
Residential	(0.07564)
TOU-GS-1	(0.07687)
TOU-GS-2	(0.07185)
TOU-GS-3	(0.06783)
TOU-8-Sec	(0.06387)
TOU-8-Pri	(0.05988)
TOU-8-Sub	(0.05458)
TOU-8-S-Sec	(0.06384)
TOU-8-S-Pri	(0.06047)
TOU-8-S-Sub	(0.05296)
TOU-PA-2	(0.06224)
TOU-PA-3	(0.05168)
Street and Area Lighting	(0.04018)
TC-1	(0.05781)
Renewable Energy Value Adjustment	
Residential	0.01366 (I)
TOU-GS-1	0.00859 (I)
TOU-GS-2	0.00775 (I)
TOU-GS-3	0.00648 (I)
TOU-8-Sec	0.00601 (I)
TOU-8-Pri	0.00571 (I)
TOU-8-Sub	0.00499 (I)
TOU-8-S-Sec	0.00612 (I)
TOU-8-S-Pri	0.00661 (I)
TOU-8-Sub	0.00498 (I)
TOU-PA-2	0.00554 (I)
TOU-PA-3	0.00523 (I)
Street and Area Lighting	0.00607 (I)
TC-1	0.00536 (I)
<b>Green Rate Charge</b>	
RPR	0.07607 (R)
GTSR Indifference Adjustment	See Schedule DA-CRS
CAISO Grid & WREGIS Charges	0.00051(I)
RA Adjustment	0.00629 (R)
Program Administration Charge	0.00801 (I)
RIC Charge	0.00000

(Continued)

(To be inserted by utility)

Advice 3710-E  
 Decision 15-05-051

Issued by

Caroline Choi  
 Senior Vice President

(To be inserted by Cal. PUC)

Date Submitted Nov 30, 2017  
 Effective Jan 1, 2018  
 Resolution \_\_\_\_\_



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(To be inserted by utility)  
Advice 3710-E  
Decision 15-05-051

Issued by  
Caroline Choi  
Senior Vice President

(To be inserted by Cal. PUC)  
Date Submitted Nov 30, 2017  
Effective Jan 1, 2018  
Resolution \_\_\_\_\_



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 RATE SCHEDULES  
 (Continued)

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CCA-INFO	Community Choice Aggregation-Information Fees .....	49642-37965-37966-E 37967-47438-E
CCA-SF	Community Choice Aggregation Service Fees .....	51283-51284-E 51285-51286-57389-57390-57391-57392-E
CC-DSF	Customer Choice - Discretionary Service Fees .....	58913-53882-51291-53883-E 51293-51294-51295-51296-55660-E
CGDL-CRS	Customer Generation Departing Load – Cost Responsibility Surcharge .....	47058-E 49451-49452-58354-56425-56426-56427-46677-46678-E
CHP	Combined Heat and Power Excess Energy Purchase .	57615-47251-50428-47253-E 50951-E
CPP	Critical Peak Pricing .....	58914-59313-59314-57043-58916-E
CREST	California Renewable Energy Small Tariff .....	57617-44057-52962-52963-E
DA-CRS	Direct Access – Cost Responsibility Surcharge. 56739-46938-58917-58918-58919-E .....58920-58921-58922-58923-58924-58925-58926-58927-58928-58929-E .....58930-58931-59315-59316-59317-59318-59319-E	
DAEBSC-CRS	Direct Access Eligible Bundled Service Customers-Cost Responsibility Surcharge.... .....	42969-58933-42971-46947-E
DA-LRATC	Direct Access Local Resource Adequacy Transfer Credit.....	47211-47212-47213-E
DA-RCSC	Direct Access Revenue Cycle Services Credits .....	40004-41590-44164-44165-E 41593-41594-51080-E
DBP	Demand Bidding Program.....	57044-57045-57046-57047-53046-57333-57334-E
DL-NBC	Departing Load - Nonbypassable Charges.....	57618-43777-E
DRP-SF	Demand Response Provider Service Fees.....	56904-56905-56906-56907-56908-E 56909-56910-56911-56912-E
EITE	Emissions-Intensive and Trade-Exposed Customer Greenhouse.....	56238-56239-56240-E
ESP-DSF	Energy Service Provider - Discretionary Service Fees.....	51298-51299-51300-E 44151-51301-44153-51302-44155-55661-E
ESP-NDSF	Energy Service Provider - Non Discretionary Service Fees .....	40762-40763-E
FC-NEM	Fuel Cell Electrical Generating Facility NEM & Interconnection Agreement .....	53887-51140-56093-51142-54293-51144-51145-57619-57620-54294-E
GMS	Generation Municipal Surcharge .....	53888-E
GTSR-CR	Green Tariff Shared Renewables Community Renewables .....	59541-62697-59543-E (T) 56743-59544-61100-59546-56747-56748-56749-E
GTSR-GR	Green Tariff Shared Renewables Green Rate... ..	59547-62698-59549-56753-59550-E (T) 56755-61103-56757-E

(Continued)

(To be inserted by utility)  
 Advice 3710-E  
 Decision 15-05-051

Issued by  
Caroline Choi  
 Senior Vice President

(To be inserted by Cal. PUC)  
 Date Submitted Nov 30, 2017  
 Effective Jan 1, 2018  
 Resolution \_\_\_\_\_

**PUBLIC Attachment B**

**GTSR Program Rate Component Workpapers**



## Schedule GTSR – Green Rate (GR)

Rate Component	Residential	GS-1	TC-1	GS-2	TOU-GS	TOU-8-Sec	TOU-8-Pri	TOU-8-Sub	TOU-8-Sec-S	TOU-8-Pri-S	TOU-8-Sub-S	PA-1	PA-2	TOU PA-2	TOU PA-3	STLights
<b>Charges (\$/kWh)</b>																
<b>Renewable</b>																
Power Rate	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607	0.07607
PCIA	0.01805	0.01158	0.0082	0.01505	0.01247	0.01088	0.01009	0.00961	0.00223	0.00231	0.00137	0.01121	0.01121	0.01121	0.00728	0.00002
CTC	0.00075	0.00048	0.00034	0.00063	0.00052	0.00045	0.00042	0.00040	0.00009	0.00010	0.00006	0.00047	0.00047	0.00047	0.00030	0.00000
WREGIS Charge	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001
CAISO Grid Charge	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
RA Adjustment	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629	0.00629
RIC Charge	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Administrative Charge	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
ME&O Charge	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716	0.00716
<b>Total Charges</b>	<b>0.10968</b>	<b>0.10294</b>	<b>0.09942</b>	<b>0.10656</b>	<b>0.10387</b>	<b>0.10221</b>	<b>0.10139</b>	<b>0.10089</b>	<b>0.09320</b>	<b>0.09329</b>	<b>0.09231</b>	<b>0.10256</b>	<b>0.10256</b>	<b>0.10256</b>	<b>0.09846</b>	<b>0.09090</b>
<b>Credits (\$/kWh)</b>																
<b>Class Average</b>																
<b>Generation</b>																
Credit	(0.07564)	(0.07687)	(0.05781)	(0.07185)	(0.06783)	(0.06387)	(0.05988)	(0.05458)	(0.06384)	(0.06047)	(0.05296)	(0.06224)	(0.06224)	(0.06224)	(0.05168)	(0.04018)
TOD Adjustment	0.01366	0.00859	0.00536	0.00775	0.00648	0.00601	0.00571	0.00499	0.00612	0.00661	0.00498	0.00554	0.00554	0.00554	0.00523	0.00607
<b>Total Credits</b>	<b>(0.06198)</b>	<b>(0.06828)</b>	<b>(0.05245)</b>	<b>(0.06410)</b>	<b>(0.06134)</b>	<b>(0.05785)</b>	<b>(0.05417)</b>	<b>(0.04959)</b>	<b>(0.05771)</b>	<b>(0.05386)</b>	<b>(0.04798)</b>	<b>(0.05669)</b>	<b>(0.05669)</b>	<b>(0.05669)</b>	<b>(0.04645)</b>	<b>(0.03411)</b>
<b>Green Rate Premium (2018)</b>	<b>0.04770</b>	<b>0.03466</b>	<b>0.04697</b>	<b>0.04247</b>	<b>0.04253</b>	<b>0.04436</b>	<b>0.04722</b>	<b>0.05130</b>	<b>0.03549</b>	<b>0.03943</b>	<b>0.04433</b>	<b>0.04587</b>	<b>0.04587</b>	<b>0.04587</b>	<b>0.05201</b>	<b>0.05679</b>

## Schedule GTSR – Community Renewables (CR)

Rate Component	Residential	GS-1	TC-1	GS-2	TOU-GS	TOU-8-Sec	TOU-8-Pri	TOU-8-Sub	TOU-8-Sec-S	TOU-8-Pri-S	TOU-8-Sub-S	PA-1	PA-2	TOU PA-2	TOU PA-3	STLights
<b>Charges (\$/kWh)</b>																
<b>Renewable Power Rate</b>	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
<b>PCIA</b>	0.01805	0.01158	0.00820	0.01505	0.01247	0.01088	0.01009	0.00961	0.00223	0.00231	0.00137	0.00961	0.00961	0.00961	0.01121	0.00728
<b>CTC WREGIS Charge</b>	0.00075	0.00048	0.00034	0.00063	0.00052	0.00045	0.00042	0.00040	0.00009	0.00010	0.00006	0.00040	0.00040	0.00040	0.00047	0.00030
<b>CAISO Grid Charge</b>	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050	0.00050
<b>RA Adjustment</b>	Specific [1]	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific	Specific
<b>Administrative Charge</b>	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085	0.00085
<b>ME&amp;O Charge</b>	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003
<b>Total Charges</b>	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific
<b>Credits</b>																
<b>Class Average Generation</b>																
<b>Credit</b>	(0.07564)	(0.07687)	(0.05781)	(0.07185)	(0.06783)	(0.06387)	(0.05988)	(0.05458)	(0.06384)	(0.06047)	(0.05296)	(0.06224)	(0.06224)	(0.06224)	(0.05168)	(0.04018)
<b>TOD Adjustment</b>	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific
<b>Total Credits</b>	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific
<b>Community Renewables Credit</b>	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific	CRF Specific

[1] CRF Specific: Community Renewables Facility specific

## Renewable Power Rate (RPR) and Resource Adequacy (RA) Adjustment

### Generation Rate (Cents/kWh)

Portfolio	2018
GTSR Dedicated Procurement Pool	7.520

Divide by **0.988525** to add Franchise Fee & Uncollectibles (FF&U)

### RA Charge (Cents/kWh)

Portfolio	2018
GTSR Dedicated Procurement Pool	0.622

FF&U Factor 0.988525

Generation Rate (\$/kWh)	2018
GTSR Dedicated Procurement Pool	0.07607

RA Charge (\$/kWh)	2018
GTSR Dedicated Procurement Pool	0.00629

## Time-of-Delivery (TOD) Adjustment

	Normalized Difference Between Class and Generator	Total Cost of Serving Class	TOD Adjustment Factor	10/01/2017 Rates Class Avg Gen Rate	TOD Adjustment	TOD Adjustment, grossed up for Franchise Fees & Uncollectibles (FF&U) Expenses
Residential	(51,064)	282,799	-18.1%	0.07477	(0.01350)	(0.01366)
PA-1	(22,657)	254,392	-8.9%	0.06152	(0.00548)	(0.00554)
PA-2	(22,657)	254,392	-8.9%	0.06152	(0.00548)	(0.00554)
TOU PA-2	(22,657)	254,392	-8.9%	0.06152	(0.00548)	(0.00554)
TOU PA-3	(26,100)	257,835	-10.1%	0.05109	(0.00517)	(0.00523)
GS-1	(29,150)	260,885	-11.2%	0.07599	(0.00849)	(0.00859)
TC-1	(23,687)	255,422	-9.3%	0.05715	(0.00530)	(0.00536)
GS-2	(28,037)	259,772	-10.8%	0.07103	(0.00767)	(0.00775)
TOU-GS	(24,486)	256,221	-9.6%	0.06705	(0.00641)	(0.00648)
TOU-8-Sec	(24,093)	255,828	-9.4%	0.06313	(0.00595)	(0.00601)
TOU-8-Pri	(24,410)	256,145	-9.5%	0.05919	(0.00564)	(0.00571)
TOU-8-Sub	(23,309)	255,044	-9.1%	0.05395	(0.00493)	(0.00499)
TOU-8-Sec-S	(24,591)	256,325	-9.6%	0.06311	(0.00605)	(0.00612)
TOU-8-Pri-S	(28,438)	260,173	-10.9%	0.05978	(0.00653)	(0.00661)
TOU-8-Sub-S	(24,051)	255,786	-9.4%	0.05235	(0.00492)	(0.00498)
StLights	(41,215)	272,950	-15.1%	0.03972	(0.00600)	(0.00607)

## Administrative and ME&O Charges

	2016	2017	2018	2019	2020	2021	2022	2023
<b>Green Tariff Shared Renewables (GTSR) [USD]</b>								
Admin - Operating Expenses		\$ 543,536	\$ 48,804	\$ 30,804	\$ 23,100	\$ 25,410	\$ 25,410	\$ 25,410
Admin - Operating Revenues	(\$4,646)	(\$12,759)						
<b>Green Rate [USD]</b>								
ME&O - Operating Expenses		\$ 374,888	\$ 21,000	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues	(\$2,544)	(\$6,997)						
<b>Enhanced Community Renewables (ECR) [USD]</b>								
ME&O - Operating Expenses		\$ 14,153	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Annual Subscription Level [kWh]</b>	1,458,647	4,470,246	5,874,452	31,731,602	66,272,273	100,848,887	100,427,944	100,046,388
Green Rate (GR)	1,458,647	4,470,246	5,874,452	5,451,602	4,952,273	4,488,887	4,067,944	3,686,388
Enhanced Community Renewables (ECR)	0	0	0	26,280,000	61,320,000	96,360,000	96,360,000	96,360,000

	2024	2025	2026	2027	2028	2029	2030	2031
<b>Green Tariff Shared Renewables (GTSR) [USD]</b>								
Admin - Operating Expenses	\$ 27,951	\$ 27,951	\$ 27,951	\$ 30,746	\$ 30,746	\$ 30,746	\$ 33,821	\$ 33,821
Admin - Operating Revenues								
<b>Green Rate [USD]</b>								
ME&O - Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues								
<b>Enhanced Community Renewables (ECR) [USD]</b>								
ME&O - Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Annual Subscription Level [kWh]</b>	99,700,613	99,387,270	99,103,318	98,846,000	98,612,818	98,401,508	71,930,019	66,175,617
Green Rate (GR)	3,340,613	3,027,270	2,743,318	2,486,000	2,252,818	2,041,508	1,850,019	1,702,017
Enhanced Community Renewables (ECR)	96,360,000	96,360,000	96,360,000	96,360,000	96,360,000	96,360,000	70,080,000	64,473,600

	2032	2033	2034	2035	2036	2037	2038
<b>Green Tariff Shared Renewables (GTSR) [USD]</b>							
Admin - Operating Expenses	\$ 33,821	\$ 37,203	\$ 37,203	\$ 37,203	\$ 40,923	\$ 40,923	\$ 40,923
Admin - Operating Revenues							
<b>Green Rate [USD]</b>							
ME&O - Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues							
<b>Enhanced Community Renewables (ECR) [USD]</b>							
ME&O - Operating Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ME&O - Operating Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Annual Subscription Level [kWh]</b>	60,881,568	56,011,042	51,530,159	47,407,746	43,615,126	40,125,916	36,915,843
Green Rate (GR)	1,565,856	1,440,587	1,325,340	1,219,313	1,121,768	1,032,027	949,464
Enhanced Community Renewables (ECR)	59,315,712	54,570,455	50,204,819	46,188,433	42,493,358	39,093,890	35,966,379

	SCE (2018), amortized over life of GTSR Program (until 12/31/2038)
Administrative Charge [\$/kWh]	\$ 0.00085
ME&O Charge [\$/kWh]	
Green Rate (GR)	\$ 0.00716
Enhanced Community Renewables (ECR)	\$ 0.00003
FF&U Factor	0.988525
Administrative Charge (with FF&U) [\$/kWh]	\$ 0.00086
ME&O Charge (with FF&U) [\$/kWh]	
Green Rate (GR)	\$ 0.00724
Enhanced Community Renewables (ECR)	\$ 0.00003

### Class Average Generation Credit (CAGC)

	Rate Schedule	URGRev	DWRRev		Class Avg	Class Avg
	By	Revenue	Revenue		Gen Credit	Gen Credit, FF&U
	Customer Group	(\$M)	(\$M)		(\$/kWh)	(\$/kWh)
	(1)	(15)	(17)			
Domestic						
	D	1,352,047.8	-		0.07477	0.07564
	D-CARE	520,895.9	-		0.07477	0.07564
	D-APS	125,890.7	-		0.07477	0.07564
	DE	6,340.6	-		0.07477	0.07564
	DM	7,614.6	-		0.07477	0.07564
	DMS-1	2,759.5	-		0.07477	0.07564
	DMS-2	38,169.2	-		0.07477	0.07564
		-----	-----		-----	-----
	Group Total	2,053,718.2	0.0	18.81	0.07477	0.07564
Lighting-SM Med Power						
	GS-1	424,092.9	0.0		0.07599	0.07687
	GS-2	888,213.7	0.0		0.07103	0.07185
	GS-2-S	0.0	0.0			
	TC-1	3,259.8	0.0		0.05715	0.05781
	TOU-GS	413,342.4	0.0		0.06705	0.06783
		-----	-----		-----	-----
	Group Total	1,728,908.7	0.0		0.07112	0.07195
Large Power						
	TOU-8-S	385,069.0	0.0		0.06313	0.06387
	TOU-8-P	222,544.0	0.0		0.05919	0.05988



	Rate Schedule	URGRev	DWRRev		Class Avg	Class Avg
	By	Revenue	Revenue		Gen Credit	Gen Credit, FF&U
	Customer Group	(\$M)	(\$M)		(\$/kWh)	(\$/kWh)
	(1)	(15)	(17)			
	TOU-8-T	210,009.6	0.0		0.05395	0.05458
	TOU-8-S-S	11,044.6	0.0		0.06311	0.06384
	TOU-8-S-P	32,363.7	0.0		0.05978	0.06047
	TOU-8-S-T	94,250.9	0.0		0.05235	0.05296
		-----	-----		-----	-----
	Group Total	955,281.9	0.0		0.05872	0.05940
	Agricultural & Pumping					
	PA-1				0.06152	0.06224
	PA-2				0.06152	0.06224
	TOU-PA-2	116,219.4	0.0		0.06152	0.06224
	TOU-PA-3	67,173.1	0.0		0.05109	0.05168
		-----	-----		-----	-----
	Group Total	183,392.5	0.0		0.05724	0.05790
	Street & Area Lighting					
	LS-1	13,691.2	0.0		0.03972	0.04018
	LS-2	3,958.7	0.0		0.03972	0.04018
	LS-3	10,099.3	0.0		0.03972	0.04018
	DWL	82.8	0.0		0.03972	0.04018
	OL-1	476.6	0.0		0.03972	0.04018
		-----	-----		-----	-----
	Group Total	28,308.6	0.0		0.03972	0.04018
	Total 5 Cust Gps.	4,949,610.0	0.0		0.06878	0.06958

## CAISO

	Market Service Charge	Systems Operations Charge	CRR Services Charge	EIR Forecast Fee	Sum	CAISO (grossed up for Franchise Fee & Uncollectibles (FF&U) Expense)
Cost per MWh	0.10510	0.28340	0.00430	0.10000	0.49280	0.49852
Cost per kWh	0.00011	0.00028	0.00000	0.00010	0.00049	0.00050

### Comparison of Rates (\$ per unit)

Charge Code	Service Category	2018 Rate	2017 Rate	\$ Variance	Comments
4560	Market Service Charge	\$0.1051	\$0.0854	\$0.0197	Rate increased due to higher allocation of RR to the Market Services category and lower projected volumes.
4561	Systems Operations Charge	\$0.2834	\$0.3025	(\$0.0191)	Rate decreased due to lower allocation of RR to the System Operations category offset by higher projected volumes.
4562	CRR Services Charge	\$0.0043	\$0.0059	(\$0.0016)	Rate decreased due to lower allocation of RR to the CRR Services category. Projected volumes remain the same.

The rates for bid segment fees, inter-SC trade fees, SCID fees, TOR fees and CRR auction bid fees are fixed and remain unchanged from 2017.

**Source:** CAISO. "Comparison of Rates (\$ per unit)." *2018 Budget and Grid management Charge Rates - Draft*. Oct 2017. pp. 56.

[https://www.caiso.com/Documents/FY2018\\_DraftBudget-GridManagementChargeRatesBook.pdf](https://www.caiso.com/Documents/FY2018_DraftBudget-GridManagementChargeRatesBook.pdf)

## WREGIS

	Issuance Fee	Retirement Fee	WREGIS	WREGIS (grossed up for Franchise Fee & Uncollectibles (FF&U) Expense)
Cost per REC (REC required for each MWh)	0.005	0.005	0.01	0.01012
Cost per kWh	0.000005	0.000005	0.00001	0.00001

## WREGIS FEE MATRIX

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Annual and Volumetric Fees					
Account Holder Types	Total GU Size Per WREGIS Account	Annual	Issuance	Transfer	Retire, Reserve, or Export
1 <b>GU Micro</b> <i>(Generating Unit Owner / Representative Only)</i>	30 KW or Less	\$50.00	None	None	None
1 <b>GU Small</b> <i>(Generating Unit Owner / Representative Only)</i>	30 KW - 1 MW	\$75.00	None	None	None
1 <b>GU Medium</b> <i>(Generating Unit Owner / Representative Only)</i>	1 MW - 10 MW	\$100.00	None	None	None
<b>One or more types below may be selected - the annual fee will remain \$125.00 per account</b>					
1 <b>GU Large</b> <i>(Generating Unit Owner / Representative Only)</i>	10 MW or More	\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
2 <b>Load Serving Entities</b> <i>(Municipal Utility, Irrigation District, Joint Power Authority, Investor-Owned Utility, Rural Electric Cooperative, Electric Service Provider)</i>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
3 <b>Retail Marketers</b> <i>(Federal Marketer / Power Administrator)</i>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
4 <b>Wholesale Marketers</b> <i>(Federal Marketer / Power Administrator)</i>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
5 <b>Utility Aggregators</b>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
6 <b>Generating Unit Aggregators</b> <i>(Community Choice Aggregator)</i>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
7 <b>Account Holder Other</b> <i>(Broker, Public Interest Organization, Tribal Organization)</i>		\$125.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
Reports and Other Service Fees					
Report / Service Type	Email	Hardcopy	Monthly	Per Transaction	
Authorized Report	\$25.00	\$50.00			
WREGIS Deliverability (e-Tag) User			\$212.00		
Change Control					Variable
International Wire Transfer					\$20.00
Fuel and/or Aggregated Meter Modifications (per generator and vintage)					\$75.00
Failure to complete Generating Unit Annual Review (per generator)					\$50.00

## PCIA and CTC

### Rates Effective 1/1/2018 (2018 ERRR Rates, 2018 Vintage Non-Continuous)

2018 ERRR Update CRS  
Rates - Final

	Rate Group	DWRBC [1] (All Vintages)	CTC [2] (For All Vintages)	2001	2004	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Domestic [1]	Domestic	0.00549	0.00075	(0.00100)	(0.00100)	0.01471	0.01692	0.01935	0.01980	0.01964	0.01923	0.01863	0.01805	0.01805	0.01805
GS-1 [2]	GS-1	0.00549	0.00048	(0.00064)	(0.00064)	0.00944	0.01085	0.01241	0.01271	0.01260	0.01233	0.01195	0.01158	0.01158	0.01158
TC-1 [3]	TC-1	0.00549	0.00034	(0.00045)	(0.00045)	0.00668	0.00768	0.00879	0.00899	0.00892	0.00873	0.00846	0.00820	0.00820	0.00820
GS-2 [4]	GS-2	0.00549	0.00063	(0.00083)	(0.00083)	0.01226	0.01411	0.01613	0.01651	0.01638	0.01603	0.01553	0.01505	0.01505	0.01505
TOU-GS-3 [5]	TOU-GS-3	0.00549	0.00052	(0.00069)	(0.00069)	0.01016	0.01168	0.01336	0.01368	0.01356	0.01328	0.01286	0.01246	0.01247	0.01247
TOU-8-Sec [6]	TOU-8-Sec	0.00549	0.00045	(0.00060)	(0.00060)	0.00887	0.01020	0.01167	0.01194	0.01184	0.01159	0.01123	0.01088	0.01088	0.01088
TOU-8-Pri [6]	TOU-8-Pri	0.00549	0.00042	(0.00056)	(0.00056)	0.00822	0.00945	0.01081	0.01107	0.01098	0.01074	0.01041	0.01008	0.01009	0.01009
TOU-8-Sub [6]	TOU-8-Sub	0.00549	0.00040	(0.00053)	(0.00053)	0.00783	0.00901	0.01031	0.01055	0.01046	0.01024	0.00992	0.00961	0.00961	0.00961
TOU-PA-2 [10]	TOU-PA-2	0.00549	0.00047	(0.00062)	(0.00062)	0.00913	0.01050	0.01201	0.01229	0.01219	0.01193	0.01156	0.01120	0.01121	0.01121
TOU-PA-3 [11]	TOU-PA-3	0.00549	0.00030	(0.00040)	(0.00040)	0.00593	0.00682	0.00780	0.00799	0.00792	0.00775	0.00751	0.00728	0.00728	0.00728
St. Lighting [12]	St. Lighting	0.00549	0.00000	0.00000	0.00000	0.00001	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002	0.00002
TOU-8-Standby-Sec [7]	Standby - Sec	0.00549	0.00009	(0.00012)	(0.00012)	0.00182	0.00209	0.00239	0.00245	0.00243	0.00237	0.00230	0.00223	0.00223	0.00223
TOU-8-Standby-Pri [7]	Standby - Pri	0.00549	0.00010	(0.00013)	(0.00013)	0.00188	0.00217	0.00248	0.00254	0.00251	0.00246	0.00238	0.00231	0.00231	0.00231
TOU-8-Standby-Sub [7]	Standby - Sub	0.00549	0.00006	(0.00008)	(0.00008)	0.00112	0.00128	0.00147	0.00150	0.00149	0.00146	0.00141	0.00137	0.00137	0.00137

**[1] DWRBC:** Department of Water Resources (DWR) Bond Charge. The DWR Bond Charge is not applicable to exempt Bundled Service and Direct Access Customers, as defined in and pursuant to D.02-10-063, D.02-02-051, and D.02-12-082.

**[2] CTC:** A non-bypassable charge applicable to all existing and future SCE Bundled Service Customers, all Direct Access Customers, and all Departing Load Customers for recovery of SCE's transition costs.

**CONFIDENTIAL Attachment C**

**Dedicated Green Rate Procurement Project(s)**

**Confidential Protected Materials – Public Disclosure Prohibited**

**PUBLIC Attachment 7**

**Dedicated Green Rate Procurement Project(s)**

												Capacity	Energy		Energy MWh	Payments (\$000)
Solicitation	Technology	Project ID	Project Name	Location	Date Original Contract Signed	Contract Status	Actual / Expected Online Date	Firm Oper Date	Termination Date	County Location	Territory	MW	GWh	Contract Price (\$/MWh)	2018 (E)	2018 (\$)
GTSR	Solar PV	5245	RE Gaskell West 1	Rosamond, CA	12/16/15	CPUC Approved			3/31/38	Kern County, CA	SCE	20.00	61.89			

**PUBLIC Attachment D**  
**Confidentiality Declaration**



Attachment D: Confidentiality Declaration

**DECLARATION OF ERIC LAVIK REGARDING THE CONFIDENTIALITY OF CERTAIN DATA**

I, Eric Lavik, declare and state:

1. I am a Principal Manager within the Portfolio Planning and Analysis group in the Portfolio Planning and Analysis Department at Southern California Edison (SCE). As such, I have reviewed SCE's Green Tariff Shared Renewables (GTSR) 2018 Rates Update Advice Letter ("Advice Letter"). I make this declaration in accordance with the Administrative Law Judge's Ruling Clarifying Interim Procedures for Complying with Decision 06-06-066, issued on August 22, 2006 in Rulemaking 05-06-040. I have personal knowledge of the facts and representations herein and, if called upon to testify, could and would do so, except for those facts expressly stated to be based upon information and belief, and as to those matters, I believe them to be true.

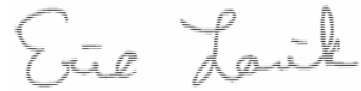
2. Listed below are the data in the Advice Letter for which SCE is seeking confidential protection: Expected 2018 PPA Payment (\$000), Expected Energy in 2018 (MWh), Actual / Expected Online Date, Firm Operation Date, and Contract Price (\$/MWh). These information are confidential and market-sensitive and should not be disclosed to the public. They relate to the terms and conditions of individual contracts entered into between SCE and dedicated Green Rate procurement project(s). Contractual information is protected under the Matrix under "Section VII. Bilateral Contract Terms and Conditions – Electric (G) Renewable Resource Contracts under RPS program – Contracts without SEPs." More specifically, Section VII.G provides that contract information shall be confidential for three years after first delivery or one year following expiration. SCE is seeking confidential treatment for contracts that have not been delivering for three years or expired for one year; thus, the information is protected. In addition, and in accordance with the level of protection afforded under the Matrix, SCE has not redacted the individual contract summary, which include counterparty name, resource type, location and capacity. Finally, the Commission also concluded that project-specific project viability information should remain confidential in D.09-06-018.

3. I am informed and believe that SCE is complying with the limitations on confidentiality specified in the Matrix that pertain to the data listed in the table above.

4. I am informed and believe and thereon allege that the data in the table above cannot be aggregated, redacted, summarized, masked or otherwise protected in a manner that would allow partial disclosure of the data while still protecting confidential information.

5. I am informed and believe and thereon allege that the data in the tables in paragraph 2 above has never been made publicly available. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on November 30, 2017 at Rosemead, California.

A handwritten signature in cursive script that reads "Eric Lavik".

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Eric Lavik

**PUBLIC Attachment E**  
**Proposed Protective Order**

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

Green Tariff Shared Renewables Program Rate    )  
Component Updates for 2018                            )  
  )  
\_\_\_\_\_  
  )

Advice 3710-E

**PROTECTIVE ORDER**

This Protective Order shall govern access to Recipients of Protected Material contained in the confidential version of the above-referenced Advice Letter filed by Southern California Edison Company (“SCE”). Recipient has requested access to Protected Material relating to SCE’s Advice Letter and may be granted access pursuant to the terms of this Protective Order for the sole purpose of Recipient developing a response before the California Public Utilities Commission (“CPUC” or “Commission”) to SCE’s Advice Letter under the CPUC’s procedural rules and only if access is necessary for Recipient to develop that response. This Protective Order does not address the right of employees of the California Public Utilities Commission (“CPUC” or “Commission”) acting in their official capacities (“Commission Staff”) to view protected materials because Commission Staff are entitled to view Protected Materials in accordance with the requirements of Section 583 of the Public Utilities Code and the Commission’s General Order 66-C.

1. This Protective Order shall be available to and govern the use of any Protected Materials provided by SCE to Recipient relating to the above-referenced Advice Letter.
2. SCE has designated as protected those materials which customarily are treated by SCE as sensitive or proprietary, which are not available to the public, and which, if disclosed freely, would subject SCE or its customers to risk of competitive disadvantage or other business injury.
3. Definitions - for purposes of this Agreement:
  - (a) The term "Nondisclosure Certificate" shall mean the certificate annexed hereto by which Recipient has been granted access to Protected Materials, which certifies Recipient’s understanding that such access to Protected Materials is provided pursuant to the terms and restrictions of this Protective Order, and that such Recipient’s Reviewing Representative has read the Protective Order and agrees to be bound by it.

- (b) The term "Reviewing Representative" shall mean a person who has signed a Nondisclosure Certificate, who has a need to access the Protective Material for the purpose set forth in this Protective Order, and who is:
  - (1) an attorney representing Recipient;
  - (2) a paralegal or other employee assisting the attorney described in (1);
  - (3) an expert or an employee of an expert retained by Recipient; or
  - (4) employees or other representatives of Recipient.
- (c) The term "Protected Material" refers to those materials described in Section 2 above.

Notwithstanding Section 3(b)(1-4) above, SCE has the right to refuse to provide a Reviewing Representative access to Protected Material if grounds exist such that the Reviewing Representative could use Protective Material for commercial or improper usage. If Recipient disagrees with SCE's refusal to provide Protected Material, Recipient may seek resolution under the procedures set forth in Section 10(a).

4. Protected Materials shall be made available under the terms of this Protective Order only to Recipient and only through its Reviewing Representatives.

5. (a) Protected Materials shall remain available to Recipient for 90 days from the date SCE provides access to Recipient of the Protective Materials.

(b) Within 15 calendar days of such date set forth in Section 5(a), Recipient shall return to SCE the Protected Materials, including notes of Protected Material, copies of filings, official transcripts and exhibits in this proceeding that contain Protected Materials, or, upon agreement by SCE, shall destroy the materials in a manner determined by SCE. Within such time period, Recipient shall also submit to SCE an affidavit stating that, to the best of its knowledge, all Protected Materials and documents containing Protected Materials have been returned or have been destroyed.

6. All Protected Materials shall be maintained by Recipient in a secure place. Access to Protected Materials shall be limited to those Reviewing Representatives specifically authorized pursuant to this Protective Order.

7. (a) Protected Materials shall be treated as confidential by Recipient and by the Reviewing Representative in accordance with the Nondisclosure Certificate executed pursuant to Section 8. Protected Materials shall not be used except as necessary for the sole purpose of Recipient developing a response before the CPUC to SCE's Advice Letter under the CPUC's procedural rules and only if access is necessary for Recipient to develop that response, nor shall they be disclosed in any manner to any person except a Reviewing Representative who needs to know the information for the purpose set forth in this Protective Order.

(b) Reviewing Representatives may make notes of Protected Materials which shall be treated as notes of Protected Materials if they disclose the contents of Protected Materials. Reviewing Representatives may not make copies of Protected Materials unless agreed to by SCE. Any such copies become Protected Materials.

8. A Reviewing Representative shall not be permitted to inspect, participate in discussions regarding, or otherwise be permitted access to Protected Materials pursuant to this Protective Order unless Reviewing Representative has first executed a Nondisclosure Certificate. A copy of each Nondisclosure Certificate shall be provided to counsel for Recipient and to SCE prior to disclosure of any Protected Material to that Reviewing Representative.

9. Any Reviewing Representative may disclose Protected Materials to (a) any other Reviewing Representative as long as the disclosing Reviewing Representative and receiving Reviewing Representative both have executed a Nondisclosure Certificate, or (b) a member of the CPUC's Office of Ratepayer Advocates (ORA) who is engaged in the conduct of this Advice Letter. ORA is subject to the rules and regulations that govern the treatment of Protected information such as Public Utilities Code Section 583 and General Order 66(c). In the event that any Reviewing Representative to whom Protected Materials are disclosed ceases to be engaged in these proceedings, or is employed or retained for a position whose occupant is not qualified to be a Reviewing Representative under Section 3(b), access to Protected Materials by the person shall be terminated. Even if no longer engaged in this proceeding, every person who has executed a Nondisclosure Certificate shall continue to be bound by the provisions of this Protective Order and the certificate.

10. (a) Subject to Section 15, the CPUC, Presiding Administrative Law Judge of the CPUC, or Law and Motion Administrative Law Judge of the CPUC, as appropriate, shall resolve any disputes arising under this Protective Order. Prior to presenting any dispute under this Protective Order to the Commission, Presiding Administrative Law Judge, or Law and Motion Administrative Law Judge under Resolution ALJ-164 or the CPUC's Rules of Practice and Procedure, the parties to the dispute shall meet and confer and use their best efforts to resolve the dispute.

(b) If Recipient contests the designation of materials as protected, Recipient shall notify SCE by specifying in writing the materials whose designation is contested. This Protective Order shall continue to apply to such materials after the notification is made. Recipient may seek resolution of the dispute under the procedures set forth in Section 10(a). If the CPUC, Presiding Administrative Law Judge, or Law and Motion Administrative Law Judge of the CPUC finds that the materials at issue are not entitled to protection, the procedures of Section 15 shall apply.

11. All copies of all documents reflecting Protected Materials that are filed or submitted with the Commission, including the portion of the hearing testimony, exhibits, transcripts, briefs and other documents which refer to Protected Materials, shall bear the prominent markings indicating that the contents are confidential or that the contents include Protected Materials subject to this Protective Order.

12. If Recipient desires to include, utilize or refer to any Protected Materials, Recipient shall first notify Counsel for SCE.

13. Nothing in this Protective Order shall be construed as precluding SCE from objecting to the use of Protected Materials on any legal grounds.

14. Nothing in this Protective Order shall preclude Recipient from requesting the CPUC, or Presiding Judge or the Law and Motion Administrative Law Judge of the CPUC, or any other body having appropriate authority, to find that this Protective Order should not apply to all or any materials previously designated as Protected Materials pursuant to this Protective Order.

15. If the CPUC, Presiding Judge, or the Law and Motion Administrative Law Judge of the CPUC finds at any time that all or part of the Protected Materials need not be protected, those materials shall, nevertheless, be subject to the protection afforded by this Protective Order for seven (7) business days from the date of the decision unless, within such period, a party files a rehearing request or an interlocutory appeal on that finding with the Commission, in which case the materials shall remain protected until seven (7) business days after the final order resolving the question of confidentiality. SCE and Recipient do not waive their rights to seek additional administrative or judicial remedies after the Commission's or the Presiding Judge's or the Law and Motion Administrative Law Judge decision respecting Protected Materials or Reviewing Representatives, or the Commission's denial of an appeal or rehearing thereof.

16. SCE does not waive the right to pursue any other legal or equitable remedies that may be available in the event of actual or anticipated disclosure of Protected Materials.

17. Access and use by Governmental Entities: In the event the CPUC receives a request for a copy of or access to a party's Protected Materials from a state governmental agency that is authorized to enter into a written agreement sufficient to satisfy the requirements for maintaining confidentiality set forth in Government Code Section 6254.5(e), the CPUC may, not less than five (5) days after giving written notice to SCE of the request, release such protected material to the requesting governmental agency, upon receiving from the requesting agency an executed Interagency Confidentiality Agreement. Such Interagency Confidentiality Agreement shall (i) provide that the agency will treat the requested Protected Materials as confidential in accordance with this Protective Order, (ii) include an explanation of the purpose for the agency's request, as well as an explanation of how the request relates to furtherance of the agency's functions, (iii) be signed by a person authorized to bind the agency contractually, and (iv) expressly state that furnishing of the requested Protected Materials to employees or representatives of the agency does not, by itself, make such Protected Materials public. In addition, the Interagency Confidentiality Agreement shall include an express acknowledgment of the CPUC's sole authority (subject to judicial review) to make the determination whether the Protected Materials should remain confidential or be disclosed to the public, notwithstanding any provision to the contrary in the statutes or regulations applicable to the agency.

18. CPRA Requests: If a request is made pursuant to the California Public Records Act ("CPRA"), Government Code sections 6250, *et seq.*, that SCE's Protected Materials filed with or otherwise in the possession of the CPUC be produced, the CPUC will notify SCE of the CPRA request. The CPUC also will notify the requester that the Protected Materials are public records that have been filed with or submitted to the CPUC accompanied by a claim that they are confidential and/or that there is a public interest served by withholding the records. The CPUC will thereafter proceed to determine, pursuant to applicable law, whether

the requested Protected Materials are excluded from public inspection. In the event the CPUC receives a request from a federal government agency or a judicial subpoena for the production of a party's Protected Materials in the CPUC's possession, the CPUC will also notify SCE of such request. In the event that a CPRA requester brings suit to compel disclosure of a party's Protected Materials, the CPUC will promptly notify SCE of such suit, and Commission Staff and SCE shall cooperate in opposing the suit.

19. Contents of Protected Materials or any other form of information that copies or discloses Protected Materials shall not be disclosed to anyone other than in accordance with this Protective Order and shall be used only in connection with the purpose identified in this Order.

Entered: \_\_\_\_\_  
Administrative Law Judge

Date: \_\_\_\_\_



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

Green Tariff Shared Renewables Program Rate )  
Component Updates for 2018 )  
 )  
\_\_\_\_\_ )

Advice 3710-E

**NON-DISCLOSURE CERTIFICATE**

I hereby certify my understanding that access to Protected Materials is provided to me pursuant to the terms and restrictions of the Protective Order in this proceeding, that I have been given a copy of and have read the Protective Order, and that I agree to be bound by it. I understand that the contents of the Protected Materials, any notes or other memoranda, or any other form of information that copies or discloses Protected Materials shall not be disclosed to anyone other than in accordance with that Protective Order. I acknowledge that a violation of this certificate constitutes a violation of an order of California Public Utilities Commission.

By: \_\_\_\_\_  
Title: \_\_\_\_\_  
Representing: \_\_\_\_\_  
Date: \_\_\_\_\_