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December 29, 2016

**ADVICE 3525-E-A  
(U 338-E)**

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA  
ENERGY DIVISION

**SUBJECT:** Supplemental Filing to Make Modifications to Advice 3525-E,  
Green Tariff Shared Renewables Program Rate Component  
Updates for 2017

Southern California Edison Company (SCE) hereby submits for filing the following changes to its tariff schedules. The revised tariff sheets are listed on Attachment A and are attached hereto.

**PURPOSE**

The purpose of this supplemental advice filing is to make changes to the tariff sheets originally contained within Advice Letter (AL) 3525-E. These changes are made in accordance with General Order (GO) 96-B, General Rules 7.5.1, which authorizes utilities to make additional changes to an advice filing through the filing of a supplemental advice letter.

This advice filing supplements in part and will not change the integrity of the original AL 3525-E, except as noted below.

**DISCUSSION**

The following Green Tariff Shared Renewables (GTSR) Program rate components have been updated since the filing of AL 3525-E.

**1. Power Charge Indifference Adjustment (PCIA) and Competition Transition Charge (CTC)**

The PCIA is determined by subtracting the CTC from the GTSR Indifference Adjustment. However, the CTC rates included in the 2017 Energy Resources Recovery Account (ERRA) November Forecast, which were used to update the GTSR Program rate components filed in AL 3525-E, have been updated. These

updated rates were filed via AL 3515-E-A on December 21, 2016 with a January 1, 2017 requested effective date.<sup>1</sup>

## **2. Program Administration and Marketing, Education & Outreach (ME&O) Charge**

As discussed in D.15-01-051, GTSR Program administration and marketing costs are to be paid by participating customers in order to achieve ratepayer indifference. The GTSR Program was launched in the first quarter of 2016, and customer adoption has been slow, resulting in significantly lower adoption rates than previously forecasted. Given that the program is still in the early stages of launch and adoption rates are lower than expected, SCE is proposing to maintain the current program administration and marketing rates and not adjust them upward in 2017. SCE is concerned that an upward adjustment will result in customer attrition, and may create further challenges in attracting new customers to the program. SCE will re-evaluate these rates in December 2017 for use in 2018 GTSR Program rates.

## **3. Class Average Generation Credit (CAGC)**

The CAGC rates filed in AL 3525-E were estimates, based on best-available information at the time of filing. These rate components are being updated herein to reflect the actual rates filed in AL 3515-E-A on December 21, 2016.

## **4. Renewable Energy Value Adjustment**

Because the Renewable Energy Value Adjustment is calculated as the proportion of the CAGC that a customer rate group avoids or pays, depending on whether the customer rate group's load is below or above the generation profile of the Interim Green Rate Pool, the Renewable Energy Value Adjustment is also being updated herein, based on the changes to the CAGC filed in AL 3515-E-A.

The values included in the table below represent charges and credits that are applicable to the Residential customer rate class and are being updated herein, pursuant to the discussion above.<sup>2</sup>

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<sup>1</sup> See AL 3515-E-A, *Implementation of Southern California Edison Company's Consolidated Revenue Requirement and Rate Change on January 1, 2017*.

<sup>2</sup> The rates shown below are applicable to the residential class. Rates for all other classes are contained within the workpapers found in Attachment B of this filing.

<b>\$/kWh</b>	<b>Green Rate</b>	<b>Community Renewables</b>
<b>Charges</b>		
Renewable Power Rate	0.08448	0.08448
Power Charge Indifference Adjustment (PCIA) <sup>3</sup>	0.00776	0.00776
Competition Transition Charge (CTC)	-0.00034	-0.00034
Administrative Charge <sup>4</sup>	0.00356	0.00356
Marketing, Education, and Outreach (ME&O) Charge <sup>5</sup>	0.00195	0.00227

<b>\$/kWh</b>	<b>Green Rate</b>	<b>Community Renewables</b>
<b>Credits</b>		
CAGC	-0.07564	-0.07564
Renewable Energy Value Adjustment	0.00865	Project Specific

<sup>3</sup> In the GTSR Program customer tariffs, the PCIA and CTC are shown in aggregate as the GTSR Indifference Adjustment.

<sup>4</sup> In the GTSR Program customer tariffs, the Administrative Charge and ME&O Charge are shown in aggregate as the Program Administration Charge.

<sup>5</sup> The 2017 Administrative and ME&O charges for the Green Rate and Community Renewables Programs are kept at their 2016 levels. For this reason, the 2017 ME&O charges are based on revised ME&O forecasted costs outlined in AL 3220-E-A (supplemented MIAL), rather than those outlined in AL 3496-E, which took effect on November 27, 2016. The 2017 ME&O charges are also calculated, using historical rather than updated annual customer subscription level forecasts (kWh).

### **PROPOSED TARIFF CHANGES**

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

Updates to the CAGC, Renewable Energy Value Adjustment and the Program Administration Charge are included in this instant filing. Updates to the PCIA and CTC rates were included in AL 3515-E-A.

Except as noted above, this filing will not increase any rate or charge, conflict with any other schedule or rule, or cause the withdrawal of service.

### **TIER DESIGNATION**

This advice letter is submitted with a Tier 2 designation, which is the same tier designation as the original filing, Advice 3525-E.

### **EFFECTIVE DATE**

This supplemental advice filing will become effective on the same day as the original filing, Advice 3525-E, which is January 1, 2017.

### **PROTESTS**

SCE asks that the Commission, pursuant to GO 96-B, General Rules 7.5.1, maintain the original protest and comment period designated in Advice 3525-E and not reopen the protest period. The modifications included in this supplemental advice filing do not make changes that would affect the overall evaluation of the filing.

### **NOTICE**

In accordance with General Rule 4 of 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 Brandi Anderson at (626) 302-0948 or by electronic mail at [Brandi.Anderson@sce.com](mailto:Brandi.Anderson@sce.com).

**Southern California Edison Company**

/s/ Russell G. Worden  
Russell G. Worden

RGW:ba:cm  
Enclosures

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)	
Company name/CPUC Utility No.: Southern California Edison Company (U 338-E)	
Utility type: <input checked="" type="checkbox"/> ELC <input type="checkbox"/> GAS <input type="checkbox"/> PLC <input type="checkbox"/> HEAT <input type="checkbox"/> WATER	Contact Person: Darrah Morgan Phone #: (626) 302-2086 E-mail: <a href="mailto:Darrah.Morgan@sce.com">Darrah.Morgan@sce.com</a> E-mail Disposition Notice to: <a href="mailto:AdviceTariffManager@sce.com">AdviceTariffManager@sce.com</a>
EXPLANATION OF UTILITY TYPE ELC = Electric      GAS = Gas PLC = Pipeline      HEAT = Heat      WATER = Water	(Date Filed/ Received Stamp by CPUC)
Advice Letter (AL) #: <u>3525-E-A</u> Tier Designation: <u>2</u>	
Subject of AL: <u>Supplemental Filing to Make Modifications to Advice 3525-E, Green Tariff Shared Renewables Program Rate Component Updates for 2017</u>	
Keywords (choose from CPUC listing): <u>Compliance</u>	
AL filing type: <input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Annual <input checked="" type="checkbox"/> One-Time <input type="checkbox"/> Other _____	
If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: <div style="text-align: center; margin-top: 5px;"><u>Decision 15-01-051</u></div>	
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, specification of confidential information: 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:	
Resolution Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Requested effective date: <u>1/1/17</u> No. of tariff sheets: <u>-2-</u>	
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: <u>See Attachment A</u>	
Service affected and changes proposed <sup>2</sup> : _____	
Pending advice letters that revise the same tariff sheets: <u>None</u>	

<sup>2</sup> Discuss in AL if more space is needed.

**All correspondence regarding this AL this filing 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  
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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 60778-E	Schedule GTSR-CR	Revised 60778-E
Revised 60779-E	Schedule GTSR-GR	Revised 60779-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) (I)
TOU-GS-1	(0.07687) (I)
TOU-GS-2	(0.07185) (I)
TOU-GS-3	(0.06783) (I)
TOU-8-Sec	(0.06387) (I)
TOU-8-Pri	(0.05988) (I)
TOU-8-Sub	(0.05458) (I)
TOU-8-S-Sec	(0.06384) (I)
TOU-8-S-Pri	(0.06047) (I)
TOU-8-S-Sub	(0.05296) (I)
TOU-PA-2	(0.06224) (I)
TOU-PA-3	(0.05168) (I)
Street and Area Lighting	(0.04018) (I)
TC-1	(0.05781) (I)
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	0.00050
RA Adjustment	CR Facility Specific
Program Administration Charge	0.00583
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 3525-E-A  
 Decision 15-01-051

Issued by  
Caroline Choi  
 Senior Vice President

(To be inserted by Cal. PUC)  
 Date Filed Dec 29, 2016  
 Effective \_\_\_\_\_  
 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) (I)
TOU-GS-1	(0.07687) (I)
TOU-GS-2	(0.07185) (I)
TOU-GS-3	(0.06783) (I)
TOU-8-Sec	(0.06387) (I)
TOU-8-Pri	(0.05988) (I)
TOU-8-Sub	(0.05458) (I)
TOU-8-S-Sec	(0.06384) (I)
TOU-8-S-Pri	(0.06047) (I)
TOU-8-S-Sub	(0.05296) (I)
TOU-PA-2	(0.06224) (I)
TOU-PA-3	(0.05168) (I)
Street and Area Lighting	(0.04018) (I)
TC-1	(0.05781) (I)
Renewable Energy Value Adjustment	
Residential	0.00865 (R)
TOU-GS-1	0.00536 (R)
TOU-GS-2	0.00496 (R)
TOU-GS-3	0.00413 (R)
TOU-8-Sec	0.00365 (R)
TOU-8-Pri	0.00325 (R)
TOU-8-Sub	0.00253 (R)
TOU-8-S-Sec	0.00361 (R)
TOU-8-S-Pri	0.00353 (R)
TOU-8-Sub	0.00236 (R)
TOU-PA-2	0.00339 (R)
TOU-PA-3	0.00272 (R)
Street and Area Lighting	0.00282 (R)
TC-1	0.00238 (R)
<b>Green Rate Charge</b>	
RPR	0.08448 (R)
GTSR Indifference Adjustment	See Schedule DA-CRS
CAISO Grid & WREGIS Charges	0.00050
RA Adjustment	0.00699 (I)
Program Administration Charge	0.00551
RIC Charge	0.00000

(Continued)

(To be inserted by utility)

Advice 3525-E-A  
 Decision 15-01-051

Issued by

Caroline Choi  
Senior Vice President

(To be inserted by Cal. PUC)

Date Filed Dec 29, 2016  
 Effective \_\_\_\_\_  
 Resolution \_\_\_\_\_

**Attachment B**

Updated GTSR Program Rate Component Workpapers

## 2017 Green Rate Components (\$/kWh)

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	TOU PA- 2	TOU PA- 3	STLights
<b>Charges</b>														
Renewable Power Rate	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448	0.08448
PCIA	0.00776	0.00635	0.00348	0.00590	0.00524	0.00457	0.00395	0.00339	0.00404	0.00538	0.00297	0.00533	0.00399	0.00001
CTC	(0.00034)	(0.00028)	(0.00015)	(0.00026)	(0.00023)	(0.00020)	(0.00017)	(0.00015)	(0.00018)	(0.00024)	(0.00013)	(0.00023)	(0.00018)	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
CAISO Grid Charge	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
RA Adjustment	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699	0.00699
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
Administrative Charge	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356
ME&O Charge	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195	0.00195
<b>Total Charges</b>	<b>0.10490</b>	<b>0.10355</b>	<b>0.10081</b>	<b>0.10312</b>	<b>0.10249</b>	<b>0.10185</b>	<b>0.10126</b>	<b>0.10072</b>	<b>0.10134</b>	<b>0.10262</b>	<b>0.10032</b>	<b>0.10258</b>	<b>0.10129</b>	<b>0.09749</b>
<b>Credits</b>														
Class Average Generation 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	0.05168	0.04018
TOD Adjustment	(0.00865)	(0.00536)	(0.00238)	(0.00496)	(0.00413)	(0.00365)	(0.00325)	(0.00253)	(0.00361)	(0.00353)	(0.00236)	(0.00339)	(0.00272)	(0.00282)
<b>Total Credits</b>	<b>0.06699</b>	<b>0.07151</b>	<b>0.05543</b>	<b>0.06689</b>	<b>0.06370</b>	<b>0.06021</b>	<b>0.05663</b>	<b>0.05204</b>	<b>0.06023</b>	<b>0.05694</b>	<b>0.05060</b>	<b>0.05884</b>	<b>0.04896</b>	<b>0.03737</b>
Green Rate Premium	<b>0.03791</b>	<b>0.03204</b>	<b>0.04538</b>	<b>0.03623</b>	<b>0.03879</b>	<b>0.04164</b>	<b>0.04463</b>	<b>0.04867</b>	<b>0.04111</b>	<b>0.04568</b>	<b>0.04972</b>	<b>0.04373</b>	<b>0.05233</b>	<b>0.06012</b>

## 2017 Community Renewables (CR) Rate Components (\$/kWh)

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	TOU PA- 2	TOU PA- 3	STLights
<b>Charges</b>														
Renewable Power Rate	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
PCIA	0.00776	0.00635	0.00348	0.00590	0.00524	0.00457	0.00395	0.00339	0.00404	0.00538	0.00297	0.00533	0.00399	0.00001
CTC	(0.00034)	(0.00028)	(0.00015)	(0.00026)	(0.00023)	(0.00020)	(0.00017)	(0.00015)	(0.00018)	(0.00024)	(0.00013)	(0.00023)	(0.00018)	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
CAISO Grid Charge	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
RA Adjustment	CRF Specific <sup>[1]</sup>	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
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
Administrative Charge	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356	0.00356
ME&O Charge	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227	0.00227
Total Charges	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>														
Class Average														
Generation 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	0.05168	0.04018
TOD Adjustment	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
Total Credits	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
Community Renewables Premium	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**  
**And**  
**Resource Adequacy Adjustment**

**Generation Rate (Cents/kWh)**

Portfolio	2017	2018	2019	2020	2021
All qualified projects excluding pre 1/1/2014	8.35068	8.41149	8.40176	8.43622	8.54176

**RA Adjustment (Cents/kWh)**

Portfolio	2017	2018	2019	2020	2021
All qualified projects excluding pre 1/1/2014	0.69111	0.68466	0.68952	0.68952	0.68952

**Generation Rate, grossed up for Franchise Fees and Uncollectibles expense (\$/kWh)**

Portfolio	2017	2018	2019	2020	2021
All qualified projects excluding pre 1/1/2014	0.08448	0.08509	0.08499	0.08534	0.08641

**RA Adjustment, grossed up for Franchise Fees and Uncollectibles expense (\$/kWh)**

Portfolio	2017	2018	2019	2020	2021
All qualified projects excluding pre 1/1/2014	0.00699	0.00693	0.00698	0.00698	0.00698

## PCIA and CTC Rates

### Rates Effective 1/1/2017 (2017 ERRR Rates, 2015 Vintage Non-Continuous) - \$/kWh

	Rate Group	DWRBC <sup>[1]</sup>	CTC <sup>[2]</sup>	PCIA-URG	UC <sup>[3]</sup>	Total
<b>Domestic</b>	Residential	0.00549	(0.00034)	0.00776	0.00000	0.01291
<b>Lighting-SM Med Power</b>						
Small C&I (<20 kW)	GS-1	0.00549	(0.00028)	0.00635	0.00000	0.01156
Traffic Control	TC-1	0.00549	(0.00015)	0.00348	0.00000	0.00882
Medium C&I (20-200 kW)	GS-2	0.00549	(0.00026)	0.00590		0.01113
Medium C&I (200-500 kW)	TOU-GS	0.00549	(0.00023)	0.00524		0.01050
<b>Large Power</b>						
Large C&I (Sec)	TOU-8-Sec	0.00549	(0.00020)	0.00457		0.00986
Large C&I (Pri)	TOU-8-Pri	0.00549	(0.00017)	0.00395		0.00927
Large C&I (Sub)	TOU-8-Sub	0.00549	(0.00015)	0.00339		0.00873
<b>Agricultural &amp; Pumping</b>						
Small Ag & Pump (<200 kW)	TOU PA-2	0.00549	(0.00023)	0.00533	0.00000	0.01059
Small Ag & Pump (≥200 kW)	TOU PA-3	0.00549	(0.00018)	0.00399	0.00000	0.00930
<b>Total Street &amp; Area Lighting</b>	STLights	0.00549	0.00000	0.00001	0.00000	0.00550
<b>Large Power - Standby</b>						
Standby (Sec)	TOU-8-Sec-S	0.00549	(0.00018)	0.00404		0.00935
Standby (Pri)	TOU-8-Pri-S	0.00549	(0.00024)	0.00538		0.01063
Standby (Sub)	TOU-8-Sub-S	0.00549	(0.00013)	0.00297		0.00833

**[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.

**[3] UC:** Under-collection of charges for DA-CRS

## PCIA and CTC Rates

### Rates Effective 1/1/2017 (2017 ERRR Rates, 2016 Vintage Non-Continuous) - \$/kWh

	Rate Group	DWRBC <sup>[1]</sup>	CTC <sup>[2]</sup>	PCIA-URG	UC <sup>[3]</sup>	Total
<b>Domestic</b>	Residential	0.00549	(0.00034)	0.00776	0.00000	0.01291
<b>Lighting-SM Med Power</b>						
Small C&I (<20 kW)	GS-1	0.00549	(0.00028)	0.00635	0.00000	0.01156
Traffic Control	TC-1	0.00549	(0.00015)	0.00348	0.00000	0.00882
Medium C&I (20-200 kW)	GS-2	0.00549	(0.00026)	0.00590		0.01113
Medium C&I (200-500 kW)	TOU-GS	0.00549	(0.00023)	0.00524		0.01050
<b>Large Power</b>						
Large C&I (Sec)	TOU-8-Sec	0.00549	(0.00020)	0.00457		0.00986
Large C&I (Pri)	TOU-8-Pri	0.00549	(0.00017)	0.00395		0.00927
Large C&I (Sub)	TOU-8-Sub	0.00549	(0.00015)	0.00339		0.00873
<b>Agricultural &amp; Pumping</b>						
Small Ag & Pump (<200 kW)	TOU PA-2	0.00549	(0.00023)	0.00533	0.00000	0.01059
Small Ag & Pump (≥200 kW)	TOU PA-3	0.00549	(0.00018)	0.00399	0.00000	0.00930
<b>Total Street &amp; Area Lighting</b>	STLights	0.00549	0.00000	0.00001	0.00000	0.00550
<b>Large Power - Standby</b>						
Standby (Sec)	TOU-8-Sec-S	0.00549	(0.00018)	0.00404		0.00935
Standby (Pri)	TOU-8-Pri-S	0.00549	(0.00024)	0.00538		0.01063
Standby (Sub)	TOU-8-Sub-S	0.00549	(0.00013)	0.00297		0.00833

**[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.

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**PCIA and CTC Rates**  
**Rates Effective 1/1/2017 (2017 ERRR Rates, 2017 Vintage Non-Continuous) - \$/kWh**

	Rate Group	DWRBC <sup>[1]</sup>	CTC <sup>[2]</sup>	PCIA-URG	UC <sup>[3]</sup>	Total
<b>Domestic</b>	Residential	0.00549	(0.00034)	0.00776	0.00000	0.01291
<b>Lighting-SM Med Power</b>						
Small C&I (<20 kW)	GS-1	0.00549	(0.00028)	0.00635	0.00000	0.01156
Traffic Control	TC-1	0.00549	(0.00015)	0.00348	0.00000	0.00882
Medium C&I (20-200 kW)	GS-2	0.00549	(0.00026)	0.00590		0.01113
Medium C&I (200-500 kW)	TOU-GS	0.00549	(0.00023)	0.00524		0.01050
<b>Large Power</b>						
Large C&I (Sec)	TOU-8-Sec	0.00549	(0.00020)	0.00457		0.00986
Large C&I (Pri)	TOU-8-Pri	0.00549	(0.00017)	0.00395		0.00927
Large C&I (Sub)	TOU-8-Sub	0.00549	(0.00015)	0.00339		0.00873
<b>Agricultural &amp; Pumping</b>						
Small Ag & Pump (<200 kW)	TOU PA-2	0.00549	(0.00023)	0.00533	0.00000	0.01059
Small Ag & Pump (≥200 kW)	TOU PA-3	0.00549	(0.00018)	0.00399	0.00000	0.00930
<b>Total Street &amp; Area Lighting</b>	STLights	0.00549	0.00000	0.00001	0.00000	0.00550
<b>Large Power - Standby</b>						
Standby (Sec)	TOU-8-Sec-S	0.00549	(0.00018)	0.00404		0.00935
Standby (Pri)	TOU-8-Pri-S	0.00549	(0.00024)	0.00538		0.01063
Standby (Sub)	TOU-8-Sub-S	0.00549	(0.00013)	0.00297		0.00833

**[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.

**[3] UC:** Under-collection of charges for DA-CRS

## CAISO Charge

	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	0.08480	0.29510	0.00650	0.10000	0.48640	0.49205
Cost per kWh	0.00008	0.00030	0.00001	0.00010	0.00049	0.00049

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

Charge Code	Service Category	2017 Rate	2016 Rate	\$ Variance	Comments
4560	Market Service Charge	\$0.0848	\$0.0850	(\$0.0002)	Insignificant change from prior year
4561	Systems Operations Charge	\$0.2951	\$0.2979	(\$0.0028)	Insignificant change from prior year
4562	CRR Services Charge	\$0.0065	\$0.0049	\$0.0016	12% lower volume projected for 2017

**Source:** CAISO. "Comparison of Rates (\$ per unit)." 2017 Budget and Grid management Charge Rates Prelim - Draft. Sep 06, 2016. pp. 57.

[http://www.caiso.com/Documents/FiscalYear2017PreliminaryBudget\\_GridManagementChargeRatesBook.pdf](http://www.caiso.com/Documents/FiscalYear2017PreliminaryBudget_GridManagementChargeRatesBook.pdf)

Outsourced and other contracts combined increased to \$5.9 million in 2017 from \$5.4 million in 2016. This increase represents a change within the Technology division as the Software as a Service (SaaS) model becomes increasingly more commonplace for applications. The other large component of this resource category is our forecasting fees. These are expected to remain unchanged for 2017 when compared to 2016. Intermittent resources pay a forecasting fee to the ISO of 10 cents per megawatt of generation. Such fees are budgeted for a total of \$2.1 million in 2017. These fees received from the variable resources are included in other costs and revenues to offset the related forecasting costs.

**Source:** CAISO. "Comparison of Rates (\$ per unit)." 2017 Budget and Grid management Charge Rates Prelim - Draft. Sep 06, 2016. pp. 21.

[http://www.caiso.com/Documents/FiscalYear2017PreliminaryBudget\\_GridManagementChargeRatesBook.pdf](http://www.caiso.com/Documents/FiscalYear2017PreliminaryBudget_GridManagementChargeRatesBook.pdf)

## WREGIS Charge

	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

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# WREGIS FEE MATRIX

Annual and Volumetric Fees					
Annual Fees are calculated by the total Megawatts produced by all of the Generating Units in a WREGIS Account	Total GU Size Per WREGIS Account	Annual	Issuance	Transfer	Retire, Reserve or Export
<b>GU Micro</b>	30 KW or Less	\$75.00	None	None	None
<b>GU Small</b>	30 KW - 1 MW	\$100.00	None	None	None
<b>GU Medium</b>	1 MW - 10 MW	\$350.00	None	None	None
<b>GU Large</b>	10 MW or More	\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Load Serving Entities</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Retail Marketers</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Wholesale Marketers</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Utility Aggregators</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Generator Aggregators</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
<b>Account Holder: Other</b>		\$675.00	\$0.005 / Certificate	\$0.005 / Certificate	\$0.005 / Certificate
Reports and Other Service Fees					
Report / Service Type	Email	Hardcopy	Monthly	Per Transaction	
<b>Authorized Report</b>	\$25.00	\$50.00			
<b>WREGIS Deliverability (e-Tag) User</b>			\$212.00		
<b>Change Control</b>					Variable
<b>Wire Transfer</b>					\$10.00
<b>Fuel and/or Aggregated Meter Modifications (per generator and vintage)</b>					\$75.00
<b>Failure to complete Generating Unit Annual Review (per generator)</b>					\$50.00

WECC. "WREGIS Fee Matrix." WREGIS System User Training. Oct 13, 2016. pp. 143.  
<https://www.wecc.biz/Administrative/WREGIS%20User%20Training%20Slides.pdf>

## Administrative

### And

## ME&O Charges

Line No	Item	Green Tariff & Enhanced Community Renewables	Green Tariff	Enhanced Community Renewables
		2015-2018 Administration Costs	2015-2018 Marketing Costs	2015-2018 Marketing Costs
1	Operating Revenues	\$ 1,595,674	\$ 863,541	\$ 13,599
2	Operating Expenses:			
3	O&M Expenses	\$ 1,578,137	\$ 854,050	\$ 13,450
4	A&G - Benefits			
5	Uncollectible Expense (0.205%) <sup>(a)</sup>	\$ 3,235	\$ 1,751	\$ 28
6	Franchise Requirements (0.9062%) <sup>(a)</sup>	\$ 14,301	\$ 7,739	\$ 122
7	Depreciation			
8	Taxes Other Than Income			
9	Taxes Based on Income			
10	Total Operating Expenses	\$ 1,595,674	\$ 863,541	\$ 13,599
11	Net Operating Revenue	\$ -	\$ -	\$ -
12	Rate Base (Average)	\$ -	\$ -	\$ -
13	Rate of Return <sup>(b)</sup>	7.9%	7.9%	7.9%

Notes:

(a) gross-up factor based on CPUC GRC D.12-11-051

(b) based on Cost of Capital D.12-12-034

Rates Calculation		Green Tariff & Enhanced Community Renewables	Green Tariff	Enhanced Community Renewables
Line No	Item	2015-2018 Administration Costs	2015-2018 Marketing Costs	2015-2018 Marketing Costs
1	Operating Revenues	\$ 1,595,674	\$ 863,541	\$ 13,599
2	Total kWh	448,554,992	442,565,312	5,989,680
3	Rate per kWh	0.003557	0.001951	0.002270

(c)

(d)

(e)

**Total Rate per kWh**

Green Tariff (c+d)	\$	<b>0.005508</b>
Enhanced Community Renewables (c+e)	\$	<b>0.005827</b>

### Class Average Generation Credit

Customer Rate Group	Usage	URG Rev	DWR Rev	Class Avg Gen Credit	Class Avg Gen Credit, FF&U
	[MWh]	[\$M]	[\$M]	[\$/kWh]	[\$/kWh]
<b>Residential</b>	27,467,142.3	2,053,718.2	0.0	0.07477	0.07564
<b>Lighting &amp; Small/Medium Power</b>					
GS-1	5,580,946.4	424,092.9	0.0	0.07599	0.07687
GS-2	12,505,580.0	888,213.7	0.0	0.07103	0.07185
TC-1	57,039.3	3,259.8	0.0	0.05715	0.05781
TOU-GS	6,164,983.4	413,342.4	0.0	0.06705	0.06783
<b>Large Power</b>					
TOU-8-S	6,099,412.5	385,069.0	0.0	0.06313	0.06387
TOU-8-P	3,759,799.5	222,544.0	0.0	0.05919	0.05988
TOU-8-T	3,892,588.0	210,009.6	0.0	0.05395	0.05458
TOU-8-S-S	175,019.6	11,044.6	0.0	0.06311	0.06384
TOU-8-S-P	541,413.9	32,363.7	0.0	0.05978	0.06047
TOU-8-S-T	1,800,349.4	94,250.9	0.0	0.05235	0.05296
<b>Agricultural &amp; Pumping</b>					
TOU-PA-2	1,889,101.1	116,219.4	0.0	0.06152	0.06224
TOU-PA-3	1,314,794.2	67,173.1	0.0	0.05109	0.05168
<b>Street &amp; Area Lighting</b>					
Stlights Total	712,704.9	28,308.6	0.0	0.03972	0.04018

## TOD Adjustment

	Normalized Difference Between Class and Generator	Total Cost of Serving Class	TOD Adjustment Factor	01/01/2017 Rates Class Avg Gen Rate	TOD Adjustment	TOD Adjustment, grossed up for Franchise Fees & Uncollectibles (FF&U) Expenses
Residential	(35,339)	308,999	-11.4366%	0.07477	(0.00855)	(0.00865)
TOU PA-2	(15,771)	289,431	-5.4491%	0.06152	(0.00335)	(0.00339)
TOU PA-3	(15,231)	288,891	-5.2723%	0.05109	(0.00269)	(0.00272)
GS-1	(20,515)	294,175	-6.9738%	0.07599	(0.00530)	(0.00536)
TC-1	(11,774)	285,434	-4.1248%	0.05715	(0.00236)	(0.00238)
GS-2	(20,308)	293,968	-6.9082%	0.07103	(0.00491)	(0.00496)
TOU-GS	(17,739)	291,399	-6.0874%	0.06705	(0.00408)	(0.00413)
TOU-8-Sec	(16,601)	290,261	-5.7194%	0.06313	(0.00361)	(0.00365)
TOU-8-Pri	(15,694)	289,354	-5.4239%	0.05919	(0.00321)	(0.00325)
TOU-8-Sub	(13,324)	286,984	-4.6428%	0.05395	(0.00250)	(0.00253)
TOU-8-Sec-S	(16,396)	290,056	-5.6528%	0.06311	(0.00357)	(0.00361)
TOU-8-Pri-S	(16,957)	290,617	-5.8347%	0.05978	(0.00349)	(0.00353)
TOU-8-Sub-S	(12,768)	286,428	-4.4576%	0.05235	(0.00233)	(0.00236)
StLights	(20,619)	294,279	-7.0065%	0.03972	(0.00278)	(0.00282)