

PUBLIC UTILITIES COMMISSION

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November 13, 2015

Advice Letter 4639-E and 4639-E-A

Erik Jacobson
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**Subject: Green Tariff Shared Renewables Customer-Side Implementation
Advice Letter (CSIAL) and Supplemental Filing**

Dear Mr. Jacobson:

Advice Letter 4639-E and 4639-E-A are effective November 20, 2015.

Sincerely,

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

Edward Randolph
Director, Energy Division

May 13, 2015

Advice 4639-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Green Tariff Shared Renewables Customer-Side Implementation
Advice Letter (CSIAL)**

Pacific Gas and Electric Company (PG&E) files this advice letter to implement the Green Tariff Shared Renewables (GTSR) Program enacted by Senate Bill (SB) 43¹ in September 2013 and implemented by the California Public Utilities Commission (CPUC or Commission) in Decision (D.) 15-01-051, effective January 29, 2015. The GTSR Program approved by the Commission includes both a Green Tariff (GT) Option and an Enhanced Community Renewables (ECR) option.

Purpose

The purpose of this advice letter is to submit PG&E's GTSR Customer-Side Implementation details and tariffs in accordance with the directives of D.15-01-051.

Background

On January 29, 2015, the Commission approved D.15-01-051 implementing the GTSR Program enacted by SB 43. The Decision also approved, with modifications, PG&E's Green Tariff Shared Renewables Program, filed in Application (A.) 12-04-020. The overall program cap is set at 600 megawatts (MW) pursuant to SB 43, with allocations to the three investor-owned utilities (IOUs), PG&E, Southern California Edison Company (SCE), and San Diego Gas & Electric Company (SDG&E) as follows: 272 MW for PG&E, 269 MW for SCE, and 59 MW for SDG&E.²

¹ Codified in California Public Utilities Code §§ 2831 – 2834. All further references to “Code Section” or “Code §” are to the California Public Utilities Code unless otherwise specified.

² There are no restrictions on how customer participation is to be divided between GT and ECR components however, the statute does make specific reservations for (1) 100 MW set aside for

The statute intends the GTSR Program to: (1) expand access “to all eligible renewable energy resources to all ratepayers who are currently unable to access the benefits of onsite generation,”³ and (2) “create a mechanism whereby institutional customers . . . commercial customers and groups of individuals can meet their needs with electric generation from eligible renewable energy resources.”⁴ The GTSR Program is also required to “provide support for enhanced community renewables programs to facilitate development of eligible renewable resource projects located close to the source of demand.”⁵

Ordering Paragraph 2 of D.15-01-051 requires each IOU to file a Tier 3 advice letter regarding the customer-related implementation and tariff details of their respective GTSR Programs and Attachment B of the decision lists the GTSR Implementation Advice Letters to be filed, including the Customer-Side Implementation Advice Letter (CSIAL), including a specific outline of the required content. Specifically, the CSIAL is to include implementation details and tariffs for the GTSR Program, which includes the GT option and ECR option as follows:

- 1) Program Design
- 2) Initial Pool of GT Resources
- 3) Rate Design Overview
- 4) Cost Recovery
- 5) Bill Presentment
- 6) Advisory Group Planning
- 7) Reporting Requirements (and content)
- 8) Advice Letter Workshop

1. Program Design

Attached to this advice letter are the following new GTSR electric rate schedules: Schedule E-GT, *Green Tariff Program*, and Schedule E-ECR, *Enhanced Community*

facilities no larger than 1 MW in impacted and disadvantaged communities; (2) 100 MW is reserved for participation by residential customers; (3) 20 MW is reserved for City of Davis. This Advice Letter does not implement the 20 MW program for the City of Davis, consistent with the update provided by the City of Davis and PG&E on April 1, 2015, wherein the City described that its Council had “decided to focus the City's efforts on its current exploration of options for a more comprehensive approach to community energy procurement. The City recommends that the CPUC process relative to the City's allocation resume following the City's current investigation of energy options.”

³ Code § 2831(b)

⁴ Code § 2831(f)

⁵ Code § 2833(o)

*Renewables Program.*⁶ Under E-GT, customers will purchase energy supplies via a portfolio of new solar photovoltaic (PV) generation facilities sized 0.5 to 20 MWs located within PG&E's service area and under contract with PG&E. Under E-ECR, customers will receive a bill credit from PG&E reflective of the customer's subscription to a new, specific, Enhanced Community Renewables solar generation facility PV sized 0.5 to 3 MWs, where the customer has executed a Customer Developer Agreement with the ECR facility developer.

a. Program Terms and Conditions – GT Option

Eligibility:

The Green Tariff option allows PG&E's bundled electric customers to choose to purchase renewable electricity in the amount of 50% or 100% of their electric usage. The only bundled customers not eligible for the program include Transitional Bundled Service (TBS), non-metered service, and 100% standby customers. Net Energy Metering (NEM) customers will not be eligible initially, but will be allowed to enroll in the program at a later time.

Enrollment Term and Provisions:

During the active enrollment period (until January 1, 2019, or until the 272 MW program cap is reached), customers may cancel or change their enrollment level at any time without a termination or change fee. However, they will not be eligible to re-enroll or change their enrollment again for a period of one year. If the program cap is reached before January 1, 2019, customers may change their enrollment level down only (from 100% to 50%). After January 1, 2019 (if the program is not extended), no new customers may enroll; however, then-existing customers may remain on the program or cancel their enrollment.

A customer's service under this schedule is considered portable within PG&E's electric service territory.

Since PG&E's GTSR Program does not include a termination fee, D.15-01-051 requires PG&E to explain "how ratepayer indifference between participating and nonparticipating customers is maintained when subscribers leave the GTSR Program."⁷ First, PG&E intends to minimize the costs associated with enrollment by promoting low-cost online self-serve channels to the extent possible. Regardless, all administrative costs associated with a customer's enrollment and subsequent retention are tracked and recorded in the GTSR Memorandum

⁶ See Attachment A

⁷ D.15-01-051, p. 94.

Account. When a customer leaves the GTSR Program, any and all administrative costs associated with the customer's enrollment remain in that account and thus are borne by participating customers, or at PG&E's election, PG&E shareholders.

Ratepayer indifference is also maintained between participating and nonparticipating customers in regards to energy commitments. Commitments to procure energy on behalf of participants occur not in response to individual enrollments, but rather upon the earlier of (a) 30 MW of incremental customer enrollments that exceed contracted GT supplies or (b) a calendar year, subject to di minimis incremental customer enrollments. For every solicitation, an assessment will be made for the aggregate kWh requirements, which takes into account all enrollments and de-enrollments subsequent to the last solicitation. In this way, ordinary de-enrollments will be made up for by new enrollments, or accounted for, prior to each solicitation.

The enrollment level for a single service agreement may not exceed the equivalent of 2 MW of load per year. This limitation does not apply to a federal, state, or local government, school or school district, county office of education, the California Community Colleges, the California State University, or the University of California.⁸ A single customer cannot elect an enrollment level that results in the equivalent amount of load served under this schedule to exceed 20% of any single calendar year's total available cumulative nameplate rated generating capacity under the GTSR Program.⁹

b. Program Terms and Conditions – ECR Option

Eligibility:

The ECR option is available to the same category of bundled electric customers described above for GT. However, it is still under consideration as to whether or not it is appropriate for NEM customers to participate in this option.

Customers served under this schedule must enter into a Customer Developer Agreement (CDA) with a Developer of an Enhanced Community Renewables facility and consent to the Developer providing information about the customer's subscription to PG&E on a regular basis in order for PG&E to accurately bill the customer. Customers may only subscribe to a single Enhanced Community Renewables facility at a time.

Customers may only subscribe to the facility if their service address is located within the same county as the facility or within ten miles of the facility.

⁸ Code § 2833(h)

⁹ Code § 2833(i)

Subscription Enrollment Term and Provisions:

Notwithstanding any provisions of the CDA, there is no minimum service length under this schedule. There is also no termination fee associated with terminating participation in this program.

Customer participation in the program shall automatically terminate should the Power Purchase Agreement (PPA) between PG&E and the ECR Developer for the ECR facility to which a customer is subscribed be terminated or the delivery term ends. Customer participation shall also automatically terminate should the CDA between the developer and the customer terminate or expire.

Customers are not permitted to subscribe to more than 100% of their annual energy demand, whereby 120% of the customer's reasonably anticipated annual load is determined by PG&E and used as a proxy for determining 100% of the customer's energy demand. A customer's subscription cannot be less than the equivalent of an annual average of either (i) 100kWh per month or (ii) 25% of the customer's load per month.

A customer who is subscribed to the project after the project's commercial operation date is no longer subject to the 10 mile/same county provision noted previously. In this way, a customer's service under this schedule is portable within PG&E's electric service territory.

As with the GT program, the subscription level for a single service agreement may not exceed the equivalent of 2 MW of load per year. This limitation does not apply to a federal, state, or local government, school or school district, county office of education, the California Community Colleges, the California State University, or the University of California.¹⁰ A single customer cannot elect an enrollment level that results in the equivalent amount of load served under this schedule to exceed 20% of any single calendar year's total available cumulative nameplate rated generating capacity under the GTSR Program.¹¹

Securities Opinions:

PG&E has described its requirements for the securities opinion regarding compliance with state and federal securities laws in the Joint Procurement Implementation Advice Letter (JPIAL), the ECR Developer Tariff, and the ECR

¹⁰ Code § 2833(h)

¹¹ Code § 2833(i)

Rider. In order not to provide duplicative treatment of that topic here, PG&E directs the reader to those documents.

Determining sufficient community interest: D.15-01-051 requires the IOUs to include in their respective advice letters specific standards for demonstrating sufficient community interest.¹² Specifically, the Commission stated that:

We direct the IOUs to base their assessment of community interest on the following criteria: (a) documentation that community members have committed to enroll in 30% of the project's capacity or documentation that community members have provided expressions of interest in the project sufficient to reach 51% subscription rate; and (b) a minimum of three separate subscribers to reflect the "shared" aspect of the program. We agree with CCSF that allowing third-party institutional customers to guarantee subscription levels for new projects may be sufficient to establish community interest. In particular, if the guarantee is from a municipality working to develop ECR projects in its community, then this guarantee is a sufficient demonstration of community interest.¹³

In regards to specific standards for the commitment to enroll and expressions of interest, PG&E notes that there should be some clear distinguishing element between a commitment to enroll and merely an expression of interest. For these purposes, PG&E proposes that the commitment to enroll must contain mention of a price, a time horizon (when the project is expected to come online), and a contract term. An expression of interest does not require these elements. For both the commitment to enroll and expression of interest, documentation must be either in the form of a physical signed document, or online equivalent using digital e-signature technology.

2. Initial Pool of GT Resources

Consistent with D.15-01-051¹⁴, PG&E will use an interim pool of recently developed solar photovoltaic resources sized 0.5 to 20 MWs, located within its service area and acquired through PG&E's RAM, Feed-in Tariff and PV RFO. The purpose of the interim pool is to provide the initial energy supplies that participating GT customers will receive, while the new projects that PG&E is contracting with under the program are

¹² D.15-01-051, p.74.

¹³ *Id.*, p. 67 (footnotes omitted).

¹⁴ *Id.*, pp.39-43.

being developed. The interim pool will also set the initial Renewable Power Rate (RPR) for the E-GT customers (see Section 3 below) and will be applicable until some GT projects become operational. At that point, the cost and volume of E-GT projects will be incorporated into the RPR and supplemented by the interim pool, if needed. Once E-GT projects fully supply participating customers, the RPR will then be set exclusively by the weighted average price of E-GT projects.

The specific projects that PG&E will select for the interim pool are comprised of approximately 50 projects that have initial Commercial Operation Dates between January 2014 (“interim pool beginning date”) and approximately August 2015 (“interim pool end date”). A preliminary list, which includes 25 projects starting with the interim pool beginning date through March 2015, is attached with this filing.¹⁵ The interim pool end date will be the last day of the calendar month in which a Draft Resolution on this Advice Letter is issued; at which point PG&E will refresh the list for Energy Division acceptance and final Commission approval. However, the interim pool end date will also not extend beyond December 31, 2015.¹⁶

Once the Commission approves the final list of projects, this list will constitute the final list of projects that are providing the interim supplies to all GT participants. PG&E will endeavor to obtain Green-e Energy attestations¹⁷ from all of the suppliers under the PPAs in order to denote themselves as eligible to be used as a Green-e Energy Certified product. Renewable Energy Credits (RECs) will be retired on behalf of customers from those projects that agree, and pending sufficient response, the GT Interim Pool will be Green-e certified.

If the demand from E-GT customers for supplies that need to be sourced from the Green-e Certified volume of the interim pool exceeds the actual Green-e Certified interim pool supplies, PG&E would pursue CPUC approval, through a Tier 1 Advice Letter, to add additional contracts to the interim pool from the same types of projects described above that have CODs beyond the interim pool end date. PG&E would go down the list of projects (in 25 GWh/year increments) that sequentially come online after the interim pool end date, seeking Green-e Certification for those projects until enough supplies are available to satisfy E-GT customer demand. Additional supplies, if needed, would continue to be added in increments of 25 GWh/year, based on the projects’ forecasted deliveries. PG&E will add projects that get to at least the 25

¹⁵ See Attachment C

¹⁶ The Initial RPR will be the weighted average price of the 2016 expected generation from all of the projects in the interim pool (assuming full year operation). Assuming an August 2015 interim portfolio cutoff date, PG&E estimates that the Initial RPR will be approximately \$100/MWh. The illustrative price for the 25 projects included in this Advice Letter is \$104.01 per MWh, including franchise fees and uncollectibles ($\$102.79 * FF\&U (1.011862) = \104.01).

¹⁷ Green-e Energy Attestation from Generator Participating in a Tracking System

GWh/year increment threshold, irrespective of size, and stop once PG&E reaches at least 25 GWh/year.

Under this circumstance, the interim RPR will be recalculated to reflect the inclusion of the forecasted deliveries and associated prices from all of the newly added projects.

3. Rate Design Overview

As described in D.15-01-051, the E-GT rates carried on PG&E's bill will consist of a series of credits that reflect the benefits of the GT generation and capacity, and charges that represent the costs incurred on behalf of GT customers as required by Code §§ 2833(k) and 2833(l).¹⁸ The E-ECR tariff rate is similar to the E-GT tariff but won't include the RPR.¹⁹

Tables 1 and 2 below provide the framework for how the credit and charge components prescribed in Code § 2833(k) and 2833(l) will be included in the two tariff options, by illustrating where each of the components will be reflected in the rates shown in the tariff and how the tariff rates will be presented on customers' bills. A detailed discussion of each component of the E-GT and E-ECR rates follows, including a discussion of the input assumptions used to derive the proposed rate components. As shown in the tables below, that rate components will roll-up to either to the Solar Charge or the generation-related Program Charge.

¹⁸ D.15-01-051, pp. 95-124 (footnotes omitted).

¹⁹ The RPR will be shown on PG&E's tariffs and presented on Customer's bills as a "Solar Charge."

Table 1
E-GT Rate Components

<i>Component</i>	<i>Charges</i>	<i>Credits</i>	<i>Tariff Presentation</i>	<i>Bill Presentation</i>
Solar Generation – GT Interim Pool – GT Solar Resource	✓ ✓		Solar Charge ✓	Solar Charge ✓
Power Charge Indifference Adjustment (PCIA)	✓		Program Charge (Gen-Related) ✓	Program Charge ✓
Renewable Integration	✓			
Resource Adequacy	✓			
Grid Management Charges	✓			
WREGIS Fees	✓			
Solar Value Adjustments - Time of Use - Resource Adequacy		✓ ✓		
Program Administration and Marketing	✓		Program Charge (Marketing and Admin) ✓	
Class Average Generation Credit		✓	Generation Credit ✓	Generation Credit ✓

Table 2
E-ECR Rate Components

<i>Component</i>	<i>Charges</i>	<i>Credits</i>	<i>Tariff Presentation /Discussion</i>	<i>Bill Presentation</i>
ECR Generation – ReMAT	✓		✓	N/A
ECR Generation - ReMAT		✓	✓	N/A
Power Charge Indifference Adjustment (PCIA)	✓		Program Charge (Gen- related) ✓	Program Charge ✓
Renewable Integration	✓			
Resource Adequacy	✓			
Grid Management Charges	✓			
WREGIS Fees	✓			
Solar Value Adjustments - Solar Time of Use - Resource Adequacy		✓ ✓		
Program Administration and Marketing	✓		Program Charge (Marketing and Admin)	Generation Credit ✓
Class Average Generation Credit		✓	Generation Credit ✓	

a. Renewable Power Rate – Green Tariff Option Only

i. Green Tariff Interim Pool

As described in Section 2, the 2015 RPR will be the weighted average price of the 2016 expected generation from all of the projects in the interim pool assuming full year operation and the illustrative RPR rate presented in this advice letter is \$104.01 per MWh, based on the 25 interim pool projects that are online as of March 2015.

ii. Green Tariff Resources

On February 23, 2015, PG&E filed Advice Letter 4593-E, to give the Commission notice of its plan to begin advance procurement for the E-GT option, among other things.²⁰ PG&E will offer 50 MW exclusively for E-GT projects as part of its Renewable Auction Mechanism 6 (RAM 6) RFO. PG&E's advice letter clarified it does not intend to use ReMAT as a mechanism for E-GT procurement.²¹ However, the Advice Letter also explains that PG&E intends to use ReMAT for ECR procurement per Commission direction.

PG&E will incorporate the cost for the dedicated E-GT solar resources into the weighted average solar rate for E-GT customers when these resources commence commercial operation.²² A weighted average rate would be calculated based on the expected deliveries of the newly added resource along with other E-GT dedicated resources and the approved cost of interim pool resources, if applicable.

b. Program Charge – Generation Related

i. Power Charge Indifference Adjustment – E-GT and E-ECR

Pursuant to the statute, non-participating customers should remain indifferent to customers participating in the E-GT and E-ECR options and it is required that no costs be shifted from participating customers to nonparticipating customers.²³ The Power Charge Indifference Adjustment (PCIA) is a charge that was developed to recover stranded costs associated with new generation resource commitment made on behalf of customers departing to direct access (DA) and community choice aggregation (CCA). The PCIA is intended to eliminate the cost shift associated with stranded generation resource costs so that the remaining customers are indifferent. The Commission has determined that the PCIA is an appropriate proxy on which to base the E-GT and E-ECR customer indifference amount associated with these past procurement costs.²⁴

²⁰ D.15-01-051 requires each IOU to file a Tier 1 Procurement Advice Letter confirming each IOU's plan to begin advance procurement in Renewable Market Adjusting Tariff (ReMAT) or RAM and to provide a list of applicable EJ census tracts pursuant to the statute.

²¹ In Advice Letter 4593-E, PG&E stated that it intends to use ReMAT for ECR procurement per Commission direction.

²² D.15-01-051, p. 130, directs that "[a]ny subsequent modifications to the rate credits or charges approved in this decision shall be proposed by the IOU in a Tier 2 Advice Letter filing. [footnote omitted] Changes to the rate structure not contemplated by this decision, however, must be approved by application."

²³ Competition Transition Charges (CTC) are not included in this indifference adjustment. PG&E recovers CTC from its customers via a separate, stand-alone billable charge.

²⁴ D.15-01-051, FOF 99 and 100.

Customers that begin to take service in 2015 will be vintaged as a 2015 customer and the 2015 PCIA will be included as a component in the customer's E-GT program charge. The 2015 PCIA rates, by vintage, and by rate schedule are shown in the table below.

Table 3 – PCIA Rate Components²⁵

<i>2015 PCIA by Rate Schedule</i>	<i>PCIA</i>
<i>Residential</i> E-1, EL-1 E-6 , EL-6 E-7, EL-7 E-8, EL-8 E-9 EM, EML, EM-TOU ES, ESL ESR, ESRL ET, ETL EV	\$0.01160
<i>Small Light and Power</i> A-1 A-6 TC-1 A-15	\$0.01022
<i>Medium Light and Power</i> A-10	\$0.01039
<i>Agricultural and Schedule E-37</i> AG-1, AG-1A, AG-1B, AG-4, AG-4A, AG-4B, AG-4C AG-5, AG-5A, AG-5B, AG-5C AG-R, AG-RA, AG-RB AG-V, AG-VA, AG-VB, E-37	\$0.01004
<i>Large Commercial</i> E-19	\$0.00866
<i>Industrial</i>	

²⁵ See 2015 Annual Electric True-up (AET), Advice Letter 4484-E-A, Table 3, DA/CCA Results, PCIA Rates.

E-20 S	
E-20 P	\$0.00815
E-20 T	\$0.00780
	\$0.00694
<i>Streetlighting</i>	
LS-3	\$0.00107

ii. Renewable Integration Cost – E-GT and E-ECR

The Commission adopted an interim Renewable Integration (RIC) adder in Rulemaking (R.)11-05-005, and consideration was given to whether it should apply to the E-GT and E-ECR customers' rates. The Commission concluded that because the cost of and calculation of RIC is still being addressed in the ongoing RPS Proceeding, and that the Commission will provide directions on the calculation of the charge in the near future, for now, the RIC used for the E-GT and E-ECR options will be set at zero as a placeholder.²⁶

iii. Resource Adequacy – E-GT and E-ECR

The Commission determined that the Resource Adequacy (RA) calculation methodology used to determine the RA adder for Transitional Bundled Commodity Cost (TBCC) rate is an appropriate value to be used for the E-GT and E-ECR RA value. The current value of the TBCC RA charge was approved in PG&E's 2015 ERRRA Forecast case, including FF&U, is \$8.84 per MWh.

iv. CAISO Grid Management and WREGIS Charges – E-GT and E-ECR

Grid Management Charges (GMC) are comprised of daily and monthly charges which are assessed to market participants for the purpose of recovering all of the California Independent System Operator's (CAISO) operating costs. The CAISO currently has incorporated three cost service-based GMCs, a fixed Transmission Ownership Rights GMC, as well as four transactional and administrative GMCs.

The cost service-based GMCs as follows:

- (1) a Market Services Charge;
- (2) a System Operations Charge; and
- (3) a CRR Services Charge.

The four transactional fees consist of:

- (1) a Bid Segment Fee;
- (2) a CRR Transaction Fee;

²⁶ D.15-01-051, p. 119

- (3) an Inter-SC Trade Transaction Fee; and
- (4) a SC ID Charge.

All of these GMCs represent the various ways market participants interact with the CAISO on a day-to-day basis.

PG&E has calculated a rate for CAISO GMCs using the last three years of GMC expenses, as reported in PG&E's Federal Energy Regulatory Commission's (FERC) Form 1, Electric Utility Annual Report. The rate, including franchise fees and uncollectibles is \$0.74 per MWh.

The Western Renewable Energy Generation Information System (WREGIS) charge would be based on fees assessed by WREGIS for registration, tracking and retirement of RECs associated with generation used to serve GT participating customers. The WREGIS charge is estimated to be \$0.0162 per MWh, including FF&U.

v. Solar Value Adjustments – E-GT and E-ECR

The statute requires that E-GT customers be credited for “a renewables adjustment value”²⁷ representing the difference between the time-of-delivery profile of the eligible renewable energy resources used to serve the participating customer and the class average time-of-delivery profile, and the RA value, if any, of the resources contained the E-GT portfolio. In D.15-01-051, the Commission found that the methodologies proposed by the IOUs were reasonable, fair, and consistent with SB 43.²⁸

1. Time-of-delivery

The Solar Value time-of-delivery (TOD) adjustment is based on the ratio of the TOD profile for the E-GT interim pool of resources and the class average TOD profile. The ratio is applied to the class average generation rate to determine the applicable credit. The table below summarizes the values to be applied, by rate class.

²⁷ Code § 2833(k)

²⁸ D.15-01-051, p. 124, FOF, 105, “It is reasonable and fair to calculate TOD value by comparing the TOD profile of the GTSR pool or facility, as applicable, to the class average TOD.”

Table 4 – Solar Value TOD adjustment by class

Solar Value Adjustment by Class	TOD Ratio	Class Average Generation Rate* (\$/kWh)	TOD Solar Value Adjustment (\$/kWh)*	TOD Solar Value Adjustment (cents/kWh)*
Residential	1.023	0.09926	0.00228	0.22800
Small Light and Power	1.046	0.10208	0.00470	0.47000
Medium Light & Power	1.027	0.10692	0.00289	0.28900
Large Commercial	1.049	0.09732	0.00477	0.47700
Streetlights	1.063	0.08711	0.00549	0.54900
Agriculture	1.043	0.08155	0.00351	0.35100
Industrial - T	1.054	0.08273	0.00447	0.44700
Industrial - P	1.054	0.09099	0.00491	0.49100
Industrial - S	1.054	0.09307	0.00503	0.50300

* Includes FF&U

2. Resource Adequacy

The Solar Value adjustment for resource adequacy will be based on the RA value of any resources contained within the GTSR portfolio multiplied by the RA value used in the PCIA calculation, divided by the expected generation. The RA value for the interim pool is calculated to be \$4.33 per MWh, including FF&U.

vi. Marketing and Administrative Expenses

D.15-01-051 requires that this Advice Letter include the following information regarding Marketing and Administrative expenses to be recovered from participating GT and ECR customers:

In order to timely move forward with the GTSR Program, we direct the utilities to include in the CSIAL (i) what categories of expenses will be deemed to be shared, (ii) detailed transparent information on how the allocations will be made, (iii) break out of estimated administration costs and outreach costs, and (iv) the proposed level at which these costs will be considered too high to be borne exclusively by the GTSR participants.²⁹

²⁹ D.15-01-051, p. 114.

Attached to this Advice Letter is PG&E's estimated incremental marketing and administrative expenses through the end of 2025.³⁰ PG&E has set its administration and marketing rate to amortize those costs over a period of 10 years.

Currently, PG&E cannot estimate the level at which incremental, forecasted marketing and administrative expenses would be deemed too high to be borne solely via GT and ECR program participants. PG&E recommends that such an evaluation be included in the Tier 3 advice letter to either continue or terminate the GT and ECR programs. This Tier 3 advice letter, which includes disposition of unamortized marketing and administrative expenses, is to be filed no later than December 31, 2017³¹, and PG&E would have additional experience with operating the program to make a determination on acceptable levels of marketing and administrative expenses to be borne by participating customers.

c. Rate Design Summary

Table 5 below summarizes the rate design for six illustrative GT customer rate classes: residential, small commercial, medium commercial, large commercial, agricultural and industrial. Table 6 below summarizes the same six rate classes with illustrative rates for ECR rate option.

³⁰ See Attachment B

³¹ D.15-01-051, p. 113.

Table 5
PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2015
E-GT Option

	E-1 cents/kwh	A1 cents/kwh	A-10 cents/kwh	E-19 cents/kwh	AG cents/kwh	E-20 T cents/kwh
Charges						
Solar Generation Price	10.401	10.401	10.401	10.401	10.401	10.401
PCIA	1.160	1.022	1.039	0.866	1.004	0.694
Renewable Integration	-	-	-	-	-	-
Marketing & Administration	0.585	0.585	0.585	0.585	0.585	0.585
Resource Adequacy	0.884	0.884	0.884	0.884	0.884	0.884
CA ISO Charges	0.074	0.074	0.074	0.074	0.074	0.074
WREGIS Fees	0.002	0.002	0.002	0.002	0.002	0.002
Subtotal	13.106	12.968	12.985	12.812	12.950	12.640
Credits						
Class Average Generation Rate	9.926	10.208	10.692	9.732	8.155	8.273
<u>Solar Value Adjustment</u>						
TOD	0.228	0.470	0.289	0.477	0.351	0.447
RA	0.433	0.433	0.433	0.433	0.433	0.433
Other	-	-	-	-	-	-
Subtotal	10.587	11.111	11.414	10.642	8.939	9.153
2015 Premium (cents/kwh)	2.519	1.858	1.572	2.170	4.012	3.488
ff&u= 0.011862						
PROGRAM CHARGE						
GT Illustrative Table (cent/kWh)	E-1	A-1	A-10	E-19	AG	E-20 T
RIC, RA, CA ISO, WREGIS	0.961	0.961	0.961	0.961	0.961	0.961
PCIA	1.160	1.022	1.039	0.866	1.004	0.694
SVA (TOD and RA Credit)	(0.661)	(0.903)	(0.722)	(0.910)	(0.784)	(0.880)
Subtotal Program Charges – GenRel.	1.459	1.080	1.278	0.917	1.181	0.775
Market and Admin.	0.585	0.585	0.585	0.585	0.585	0.585
Total Program Charges	2.044	1.665	1.862	1.501	1.766	1.359

Table 6
PACIFIC GAS AND ELECTRIC COMPANY
GTSR Program - 2015
E-ECR Option

	E-1 cents/kwh	A1 cents/kwh	A-10 cents/kwh	E-19 cents/kwh	AG cents/kwh	E-20 T cents/kwh
Charges						
Solar Generation Price	N/A	N/A	N/A	N/A	N/A	N/A
PCIA	1.160	1.022	1.039	0.866	1.004	0.694
Renewable Integration	-	-	-	-	-	-
Marketing & Administration	0.585	0.585	0.585	0.585	0.585	0.585
Resource Adequacy	0.884	0.884	0.884	0.884	0.884	0.884
CA ISO Charges	0.074	0.074	0.074	0.074	0.074	0.074
WREGIS Fees	0.002	0.002	0.002	0.002	0.002	0.002
Subtotal	2.705	2.567	2.584	2.411	2.549	2.239
Credits						
Class Average Generation Rate	9.926	10.208	10.692	9.732	8.155	8.272
<u>Solar Value Adjustment</u>						
TOD	0.228	0.470	0.289	0.477	0.351	0.447
RA	0.433	0.433	0.433	0.433	0.433	0.433
Other	-	-	-	-	-	-
Subtotal	10.587	11.111	11.414	10.642	8.939	9.152
2015 Credit (cents/kwh)	(7.882)	(8.543)	(8.830)	(8.231)	(6.389)	(6.913)
ff&u= 0.011862						
PROGRAM CHARGE						
ECR Illustrative Table (cent/kWh)	E-1	A1	A-10	E-19	AG	E-20 T
RIC, RA, CA ISO, WREGIS	0.961	0.961	0.961	0.961	0.961	0.961
PCIA	1.160	1.022	1.039	0.866	1.004	0.694
SVA (TOD and RA Credit)	(0.661)	(0.903)	(0.722)	(0.910)	(0.784)	(0.880)
Subtotal Program Charges - GenRel.	1.459	1.080	1.278	0.917	1.181	0.775
Market and Admin.	0.585	0.585	0.585	0.585	0.585	0.585
Total Program Charges	2.044	1.665	1.862	1.501	1.766	1.359

4. Cost Recovery

a. Green Tariff Shared Renewable Balancing Account Overview

Attached to this advice letter is Electric Preliminary Statement Part GR, Green Tariff Shared Renewables Balancing Account (GTSRBA).³² The purpose of the GTSRBA is

³² See Attachment A

to record generation-related expenses and revenues associated with the E-GT option and the E-ECR option under the GTSR program.³³

Revenues billed under the E-GT option and the E-ECR option will be credited to the GTSRBA. Specifically, billed revenues to be credited to the account are as follows:

GT Option

- Solar Generation
- Program Charge – Generation Related

ECR Option

- Program Charge – Generation Related

Expenses for both the E-GT option and the E-ECR option will also be recorded to the GTSRBA and include solar generation expenses (E-GT option only) and a generation-related program charge (E-GT and E-ECR options). In the case of the E-GT option, expenses for the solar generation charge will be recorded (debited) to the GTSRBA directly for E-GT dedicated resources or when utilizing the interim pool of resources, the expenses will be credited from ERRA and debited to the GTSR based on the solar generation rate, excluding FF&U accounts expense, multiplied by customer usage, in kWh.³⁴

Expenses for the generation-related program charge will similarly be credited from ERRA and debited to the GTSR based on the generation related program charge, less allowance for FF&U accounts expense, multiplied by customer usage, in kWh.

The class average generation revenue credit on customer bills will be allocated to the generation balancing accounts based on PG&E's Preliminary Statement I allocations. The generation revenue credits will offset the otherwise applicable schedule's generation revenues, recorded to the generation accounts. An overview the GTSR Memorandum Account and GTSR Balancing Accounts are shown in Table 7 below.

³³ Code § 2833(q). A separate memorandum account will track marketing and administration costs and revenues under three separate subaccounts.

³⁴ Revisions to the Preliminary Statement Part CP, *Energy Resource Recovery Account*, and Preliminary Statement Part I, *Rate Schedule Summary*, are attached to this advice letter (See Attachment A).

Table 7
Memorandum and Balancing Accounts

	GTSR Memorandum Account	GTSR Balancing Account	Generation Revenue and Energy Resource Recovery Account (ERRA)
Credit	Revenues: <ul style="list-style-type: none"> - GT/ECR Admin. - GT Marketing - ECR Marketing 	Revenues: <ul style="list-style-type: none"> - Solar Generation (GT only) - Program Charge – less A&M Expense <ul style="list-style-type: none"> - GT Solar Resource backstop 	Expense: <ul style="list-style-type: none"> - Solar Generation (GT only) * Interim Pool Only - Program Charge – less A&M
Debit	Expenses: <ul style="list-style-type: none"> - GT/ECR Admin - GT Marketing - ECR Marketing 	Expenses: <ul style="list-style-type: none"> - Solar Generation (GT only) * Interim Pool and/or * GT Solar Resources - Program Charge – less A&M 	Generation Revenue: <ul style="list-style-type: none"> - Class Average Gen. Credit Expense: GT Resources <ul style="list-style-type: none"> - GT Solar Resource backstop ECR Resources: <ul style="list-style-type: none"> - unsubscribed ECR energy

b. Green Tariff Shared Renewables Balancing Account True-up

Consistent with the legislative requirement that non-participating customers remain indifferent to the GTSR program, the Commission determined that each IOU is required to establish a balancing account to track the costs and revenues of the program.³⁵ In addition, the utilities are required to establish a memorandum account to track the program administrative and marketing costs.³⁶

i. Solar Generation Interim Pool

As discussed in Section 3.a above, on a monthly basis, PG&E will record expense associated with the interim pool of generation resources based on the Solar Charge rate times the E-GT customers usage which effectively imputes costs to the account for the Solar Generation expense exactly equal to the Solar Charge revenues. At the end of the year, PG&E would then true-up the recorded expenses, based on the Solar Generation forecasted rate to actual recorded expenses for the interim pool of

³⁵ Decision 15-01-051, p. 129; FOF 145, “A balancing account will allow the IOU to track revenue under and over collection of GTSR costs using balancing account ratemaking standards.

³⁶ *Id.*; FOF 146, “A memorandum account will allow the IOU to track administrative and market costs, and provide an opportunity for review before these amounts are approved by the Commission.” PG&E filed its memorandum account in [Advice Letter 4631-E](#), on May 1, 2015.

resources. That is, the Solar Charge, in dollars per kWh would be compared to actual Solar costs for the same interim pool of resources to determine if actual weighted average costs for the interim pool were higher or lower than the forecast in rates. The difference between the forecast and the actual costs on a dollar per kWh would then be multiplied by the E-GT customers' usage for the year to determine the adjustment that would need to be recorded to the GTSRBA to true-up the Solar Charge expenses to actuals.

PG&E would forecast the expected true-up for the account as part of the AET Advice Letter process, typically filed in September each year, with a provision that the balancing account balances are updated in December with actuals recorded through October or November, for rates effective January 1 of the following year. Costs and revenues recorded to the GTSRBA would then be presented in PG&E's Annual Energy Resource Recovery Account (ERRA) Compliance Review Proceeding, filed in February each year, reviewing the prior year's balancing account entries.

ii. Program Charge – Generation-related

Similar to the Solar Charge, on a monthly basis, PG&E will record expense associated with the Program Charge, excluding marketing and administrative program expenses, based on the generation-related Program Charge rate times the E-GT customers' usage. This entry effectively imputes costs to the GTSRBA for the generation-related program charge expense exactly equal to the generation-related Program Charge revenues. At the end of the year, PG&E would then true-up the recorded expenses, based on the difference in the generation-related Program Charge forecasted rate compared to actual recorded expenses for the generation-related Program Charge.

In the case of the generation-related Program Charge, five of the seven rate components are administratively determined and as such, there will be no basis on which to base a true-up. However, there are two components of the generation-related Program Charge that are based on recorded actuals – these are CAISO GMC expenses and WREGIS fees. PG&E is proposing that the generation-related Program Charge be trued-up to account for actual recorded expenses for these two component charges.

That is, the CAISO GMC and WREGIS rate components, in dollars per kWh, would be compared to actual costs for the same components to determine if actual average costs for the GMC and WREGIS expenses were higher or lower than the forecast included in rates. The difference between the forecast rate and the actual costs on a dollar per kWh, excluding amounts for FF&U accounts expense, would then be multiplied by the E-GT customers' usage for the year to determine the adjustment that would need to be recorded to the GTSRBA to true-up the generation-related Program Charge expenses to actuals.

PG&E would include a forecast of the expected true-up associated with the Program Charge expense as part of the AET Advice Letter process. Costs and revenues recorded to the GTSRBA and GTSRMA would then be presented in PG&E's Annual ERRA Compliance Review Proceeding, filed at the end of February each year, reviewing the prior year's balancing account entries.

iii. Marketing and Administrative Cost Recovery

D.15-01-051 noted that a shareholder backstop for marketing and administrative expenses supported ratepayer indifference and rate design principles.³⁷ PG&E has filed a memorandum account to track and record incremental GT and ECR marketing and administrative expenses during the operation of the program.³⁸ As required by D.15-01-051, these expenses will be reviewed in annual ERRA Compliance proceedings to determine whether these expenses were reasonable and whether any amounts deemed unreasonable should be borne by shareholders.³⁹

5. Bill Presentment

Bill presentment for the GT and ECR programs is intended to be as streamlined as possible, yet informative enough for customers to understand the status of their program participation and associated bill impact. Customers should be able to easily identify their enrolled service agreements, charges and credits, total bill premium and environmental impact associated with their participation in the GT or ECR programs.

As illustrated in Tables 1 and 2 in the Rate Design Overview section, the bill presentment for the various GT and ECR charges and credits has been condensed to three and two lines respectively. The Green Tariff billing is comprised of a Solar Charge, Program Charge and Generation Credit. The Solar Charge is the cost of solar resources under this program. The Program Charge reflects the grouping of marketing, administrative and energy-related indifference charges. The Generation Credit is the credit for class average cost of generation because the customer's commodity is now supplied through this program. The Enhanced Community Renewables billing is comprised of the Program Charge and Generation Credit. The Solar Charge and Solar Credit are not included because they net to zero.

Customers seeking additional information are directed to the program website via a footnote on the bill.

³⁷ *Id.*, p. 112.

³⁸ AL 4631-E, filed on May 1, 2015.

³⁹ D.15-01-051, p. 133.

Attached to this advice letter is PG&E's proposed billing statement for customers participating in the GT and ECR programs.⁴⁰ The program names, GT and ECR, will be replaced with customer-facing names, prior to program implementation. Rates included in the proposed billing statements are illustrative.

6. GTSR Advisory Board

As directed by D.15-01-051, PG&E has established a GTSR External Advisory Board (EAB) with the following members.⁴¹ On April 20, 2015, PG&E initiated the first EAB meeting:

Name	Role	Organization
Matthew Freedman	Consumer	TURN
Marc Joseph	Labor	California Coalition of Utility Employees (CCUE)
Cindy Li & Tim Drew	Ratepayers	CPUC – Office of Ratepayer Advocates (ORA)
Carmelita Miller	Disadvantaged/Low Income Communities	Greenlining
John Sterling	Solar	Solar Electric Power Association
Cathy Zhang	Communities of Color	Joint Minority Parties
Julia Prochnik	Environmental	Natural Resources Defense Council (NRDC)
Patrick Doherty	Commission Staff	CPUC – Energy Division
Jerry Meek	Business	Genentech
TBD	Municipalities	TBD
Brandon Smithwood	Solar Advocacy	Solar Energy Industries Association

The purpose of the EAB is to 1) encourage interested stakeholders to provide input and feedback to the development of the program; 2) bring a diversity of viewpoints to key decisions and issues, with the goal of building a nationally-recognized, successful program; 3) enable PG&E to solicit and receive input on specific issues, specifically

⁴⁰ See Attachment D

⁴¹ D.15-01-051, p. 86.

regarding procurement, marketing, and program design; and 4) leverage the ideas and actions of a supportive network of individuals towards the success of the program.

The EAB will meet on a quarterly basis; the next meeting will take place in the third quarter of 2015.

7. Reporting Requirements

D.15-01-051 describes details for monthly, quarterly, and annual GTSR program reporting requirements.⁴² Attached to this Advice Letter is a list of these reports and their proposed content.⁴³

8. Advice Letter Workshop Summary

On April 23, 2015, PG&E chaired a workshop⁴⁴ to provide an overview of the CSIAL. Questions were raised regarding customer subscription terms, derivation of billable charges (rate design), ECR AmLaw100 securities opinions and documentation of sufficient community interest in a qualifying ECR project. These issues are addressed in this advice letter.

In addition, PG&E received written comments from Marin Clean Energy (MCE) on April 27, 2015 regarding the bill presentment of GT and ECR program charges. MCE “feels strongly that participants in the [GT] and ECR programs should have separate PCIA line items on their bill just as CCA have on their bills.” Further, MCE alleges that the absence of a billing line item will encourage some customers to switch from a Community Choice Aggregator (CCA) providing green energy supplies to the GT and ECR programs in a misinformed attempt to avoid indifference charges. MCE would deem such a migration (from green CCA energy supplies to green IOU energy supplies) as an “anti-competitive” dynamic.

PG&E disagrees with MCE’s arguments. As explained at the workshop and in this advice letter, PG&E has complied with SB 43 and D.15-01-051 requirements to ensure customer indifference (that is, costs to provide GT and ECR service will be solely borne by participating customer). Rate schedules and balancing accounts attached to this advice letter clearly include provisions to ensure customer indifference, of which the indifference adjustment is one of many such charges. The detailed explanations in Section 3 (Rate Design Overview) clearly show the inclusion of indifference adjustments to derive GT and ECR program charges. These charges are higher than MCE’s PCIA line item alone. Moreover, PG&E’s proposed GT and ECR program charges, which

⁴² *Id.*, pp.140-144.

⁴³ See Attachment E

⁴⁴ D.15-01-051, p. 8.

include indifference costs, will be separately shown on PG&E customer energy statements, and customers will be provided with information on the energy statement as to how to find out more about these costs. As explained in Section 5 (Bill Presentment), PG&E's pro forma energy statement focuses on customers' needs for streamlined and sufficient information to understand the status of their program participation and associated bill impact.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than June 2, 2015, which is 20 days after the date of this filing. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

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

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

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

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

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

protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 3 advice filing become effective upon disposition by a Commission resolution.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service list for A.12-01-008, et al. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs/>.

_____/S/

Meredith Allen
Senior Director, Regulatory Relations

Attachments

cc: Service List A.12-01-008, et al.

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

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

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

Utility type:

☒ ELC

☐ GAS

☐ PLC

☐ HEAT

☐ WATER

Contact Person: Jennifer Wirowek

Phone #: (415) 973-1419

E-mail: J6ws@pge.com and PGETariffs@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat

WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **4639-E**

Tier: 3

Subject of AL: **Green Tariff Shared Renewables Customer-Side Implementation Advice Letter (CSIAL)**

Keywords (choose from CPUC listing): Compliance, Balancing Account

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

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D.15-01-051

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

Summarize differences between the AL and the prior withdrawn or rejected AL: _____

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: Yes, see the attached matrix that identifies the confidential information.

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

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: Chris DiGiovanni, (415) 973-4656

Resolution Required? ☒ Yes ☐ No

Requested effective date: **Upon Commission Approval**

No. of tariff sheets: 21

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

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

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

Tariff schedules affected: Electric Preliminary Statement Part I – Rate Schedule Summary, Electric Preliminary Statement Part CP - Energy Resource Recovery Account, Electric Preliminary Statement Part GR – Green Tariff Shared Renewables Balancing Account (GTSRBA), Electric Schedule E-ECR – Enhanced Community Renewables Program, Electric Schedule E-GT – Green Tariff Program

Service affected and changes proposed: See Attachment A for detailed tariff changes.

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

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

California Public Utilities Commission

Energy Division

EDTariffUnit

505 Van Ness Ave., 4th Flr.

San Francisco, CA 94102

E-mail: EDTariffUnit@cpuc.ca.gov

Pacific Gas and Electric Company

Attn: Meredith Allen

Senior Director, Regulatory Relations

77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35371-E	ELECTRIC PRELIMINARY STATEMENT PART I RATE SCHEDULE SUMMARY Sheet 2	34641-E
35372-E	ELECTRIC PRELIMINARY STATEMENT PART CP ENERGY RESOURCE RECOVERY ACCOUNT Sheet 8	34595-E
35373-E	ELECTRIC PRELIMINARY STATEMENT PART CP ENERGY RESOURCE RECOVERY ACCOUNT Sheet 9	32232-E
35374-E	ELECTRIC PRELIMINARY STATEMENT PART CP ENERGY RESOURCE RECOVERY ACCOUNT Sheet 10	
35375-E	ELECTRIC PRELIMINARY STATEMENT PART GR GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA) Sheet 1	
35376-E	ELECTRIC PRELIMINARY STATEMENT PART GR GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA) Sheet 2	
35377-E	ELECTRIC PRELIMINARY STATEMENT PART GR GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA) Sheet 3	
35378-E	ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 1	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35379-E	ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 2	
35380-E	ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 3	
35381-E	ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 4	
35382-E	ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM Sheet 5	
35383-E	ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 1	
35384-E	ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 2	
35385-E	ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 3	
35386-E	ELECTRIC SCHEDULE E-GT GREEN TARIFF PROGRAM Sheet 4	
35387-E	ELECTRIC TABLE OF CONTENTS Sheet 1	35369-E
35388-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 6	35289-E
35389-E	ELECTRIC TABLE OF CONTENTS PRELIMINARY STATEMENT Sheet 11	35226-E

**ATTACHMENT A
Advice 4639-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35390-E	ELECTRIC TABLE OF CONTENTS PRELIMINARY STATEMENT Sheet 14	35049-E
35391-E	ELECTRIC TABLE OF CONTENTS PRELIMINARY STATEMENT Sheet 18	35112-E



ELECTRIC PRELIMINARY STATEMENT PART I RATE SCHEDULE SUMMARY

Sheet 2

I. Rate Summary (Cont'd.)

The following rates are used to separate billed revenue for accounting purposes. (Cont'd.)

Billed Component	Subcomponent	Applicability	Rate (per kWh)	
Public Purpose Programs	Procurement Energy Efficiency Revenue Adjustment Mechanism	All rate schedules, all customers.	\$0.00282	
Public Purpose Programs	Electric Program Investment Charge	All rate schedules, all customers.	\$0.00099	
Generation	Power Charge Collection Balancing Account (PCCBA)	Core rate schedules except Schedules E-GT and E-ECR: residential, small light and power, agriculture, and streetlights, all bundled service customers.	(\$0.00115)	(N) (N)
Generation	Power Charge Collection Balancing Account (PCCBA)	Noncore rate schedules except Schedules E-GT and E-ECR: all remaining schedules, all bundled service customers.	(\$0.00115)	(N) (N)
Generation	Energy Resource Recovery Account (ERRA)	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.06882	(N) (N)
Generation	DWR Franchise Fees	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.00003	(N) (N)
Generation	Regulatory Asset Tax Balancing Account (RATBA)	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.00000	(N) (N)
Generation	Headroom Account (HA)	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.00000	(N) (N)
Energy Cost Recovery Amount	Energy Recovery Bond Balancing Account	All rate schedules except Schedules E-GT and E-ECR, all customers.	(\$0.00504)	(N) (N)

(Continued)

Advice Letter No: 4639-E
Decision No. 15-01-051

Issued by
Steven Malnight
Senior Vice President
Regulatory Affairs

Date Filed	May 13, 2015
Effective	November 20, 2015
Resolution No.	



ELECTRIC PRELIMINARY STATEMENT PART CP
ENERGY RESOURCE RECOVERY ACCOUNT

Sheet 8

CP. ENERGY RESOURCE RECOVERY ACCOUNT (ERRA) (Cont'd.)

5. ACCOUNTING PROCEDURES: (Cont'd.)

- ad) A debit entry equal to power purchase payments provided to eligible Net Energy Metering customers for energy produced by on-site generation in excess of consumption over a 12-month period. Power purchase payments may include additional compensation for renewable attributes where applicable.
- ae) A debit entry equal to the capacity and energy costs for QF/CHP Program contracts.
- af) A credit entry equal to the net capacity costs recorded in the QF/CHP Program and Marsh Landing subaccounts of the New System Generation Balancing Account (NSGBA).
- ag) A debit or credit entry equal to the cost or revenue associated with combined heat and power systems authorized in D.09-12-042, D.10-12-055 and D.11-04-033, and defined in PG&E's tariffs E-CHP, E-CHPS, and E-CHPSA; and
- ah) A debit entry equal to the GHG procurement costs for PG&E's GHG compliance instrument transactions under the California cap-and-trade program pursuant to AB 32.
- ai) A credit entry equal to one-twelfth of the authorized forecasted direct and indirect GHG costs, deferred for future recovery in rates.
- aj) A debit entry equal to the balance in the GHG subaccount included for recovery in rates.
- ak) A debit entry equal the authorized energy storage procurement evaluation program fund amount authorized in D.14-10-045.

(L)
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(Continued)



ELECTRIC PRELIMINARY STATEMENT PART CP
ENERGY RESOURCE RECOVERY ACCOUNT

Sheet 9

CP. ENERGY RESOURCE RECOVERY ACCOUNT (ERRA) (Cont'd.)

5. ACCOUNTING PROCEDURES: (Cont'd.)

The following entries reflect the transfer of costs between ERRA and the Green Tariff Shared Renewables Balancing Account (GTSRBA) to support customers taking service under the Green Tariff Shared Renewable (GTSR) Program electric rate Schedule Green Tariff (E-GT) and electric rate Schedule Enhanced Community Renewables (E-ECR) as prescribed in Pub. Util. Code Sections 2833 and implemented in D.15-01-051:

- a) A credit or debit entry to reflect the solar generation expense associated with the interim pool of renewable resources used to support the GTSR Program, equal to Solar Charge rate associated with these resources, excluding the allowance for FF&U accounts expense, multiplied by the kWh delivered under the GTSR Program to Schedule E-GT customers for the month, and/or entry to reflect any subsequent true-up of the interim pool renewable expense to actual costs.
- am) A credit or debit entry to reflect the Program Charge expense associated with the GTSR Program, excluding marketing and administrative expenses, for customers taking service under Schedule E-GT, equal to the Program Charge rate, excluding the allowance for FF&U accounts expense, multiplied by the kWh delivered under the program to the E-GT customers for the month, and/or entry to reflect any subsequent true-up of the Program Charge components' expense to actual costs.
- an) A credit or debit entry to reflect Program Charge expense associated with the GTSR Program, excluding marketing and administration expenses, for customers taking service under Schedule E-ECR, equal to the Program Charge rate, excluding FF&U accounts expense, multiplied by the subscription level of the E-ECR customer in kWh, and/or entry to reflect any subsequent true-up of the Program Charge components' expense to actual costs.
- ao) A debit or credit entry equal to expenses associated with the GTSR Program's Enhanced Community Solar (ECR) option resources that is unsubscribed.
- ap) A debit or credit entry to transfer expenses from the GTSRBA for renewable resources procured to serve customers taking service under Schedule E-GT that are in excess of the E-GT program subscription pursuant to the backstop provision in Pub. Util. Code §2833(s)

(N)

(N)

(Continued)

ELECTRIC PRELIMINARY STATEMENT PART CP
ENERGY RESOURCE RECOVERY ACCOUNT

Sheet 10

5. ACCOUNTING PROCEDURES: (Cont'd.)

The following entries reflect interest expense and other balance transfers from memo and balancing accounts, as authorized by the Commission:

(N)

(N)

- aq) A monthly entry equal to interest on the average balance in the account at the beginning of the month and the balance after the above entries, at a rate equal to one-twelfth of the rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15 or its successor; and

(T)(L)

(L)

!

(1)

- ar) A debit entry equal to the year-end balance transferred from the Long-Term Procurement Plan Technical Assistance Memorandum Account (LTAMA).

$$\begin{pmatrix} \text{U} \\ \text{(T)}(\text{L}) \end{pmatrix}$$

(L)

6. GREENHOUSE GAS (GHG) COST SUB-ACCOUNT

The following sub-account entries record the authorized forecasted direct and indirect procurement-related GHG costs, during the time that recovery of the costs are temporarily deferred. Once recovery in rates begins, the entries track the transfer of costs from the sub-account to the main ERRA in Section 5, above.

- a) A debit entry equal to one-twelfth of the authorized forecasted direct and indirect GHG costs, deferred for future recovery in rates.
- b) A credit entry equal to the balance in the sub-account included for recovery in rates.
- c) A monthly entry equal to interest on the average balance in the subaccount at the beginning of the month and the balance after the above entry, at a rate equal to one-twelfth of the rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15 or its successor

(L)



ELECTRIC PRELIMINARY STATEMENT PART GR
GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA)

Sheet 1 (N)
(N)

GR. Green Tariff Shared Renewables Balancing Account (GTSRBA)

(N)

1. **PURPOSE:** The purpose of the Green Tariff Shared Renewables Balancing Account (GTSRBA) is to track revenues received and actual expenses incurred to procure renewable generation resources for customers participating in the Green Tariff Shared Renewables (GTSR) Program, taking service under the Green Tariff Rate (Schedule E-GT) and the Enhanced Community Renewable (Schedule E-ECR).
2. **APPLICABILITY:** The GTSRBA shall apply to all bundled customer electric rate schedules and contracts for service under schedule E-GT and E-ECR, except for those schedules or contracts specifically excluded by the Commission.
3. **REVISION DATES:** Pursuant to Decision 15-01-051, the revision dates applicable to the E-GT and E-ECR and disposition of the balance in the GTSRBA shall be determined i) through the advice letter process or ii) through an Application.
3. **RATES:** The GTSRBA rates for the E-GT and E-ECR are included in the effective rates set forth in each rate schedule.
4. **ACCOUNTING PROCEDURE:** The following revenue entries shall be made each month:
 - a. A credit entry equal to the revenue from the E-GT Solar Charge rate, excluding the allowance for franchise fees and uncollectible (FF&U) accounts expense.
 - b. A credit entry equal to revenue from the E-GT Program Charge rate, excluding the marketing and administrative component of the program charge rate, and excluding the allowance for FF&U accounts expense.
 - c. A credit entry equal to revenue from the E-ECR Program Charge rate, excluding the marketing and administrative component of the program charge rate, and excluding the allowance for FF&U accounts expense.

The following expense entries shall be made each month:

- d. A debit or credit entry to reflect the solar generation expense associated with the interim pool of renewable resources used to support the GTSR Program, if applicable, equal to the Solar Charge rate associated with these resources, excluding the allowance for FF&U account expense, multiplied by the kWh delivered under the program to E-GT customers for the month.
- e. A debit or credit entry equal to costs associated with renewable generation resources procured to serve customers participating in GTSR Program and taking service under schedule E-GT.

(N)

(Continued)



ELECTRIC PRELIMINARY STATEMENT PART GR
GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA)

Sheet 2 (N)
(N)

GR. Green Tariff Shared Renewables Balancing Account (GTSRBA) (Cont'd.)

(N)

4. ACCOUNTING PROCEDURE: (Cont'd.)

- f. A debit or credit entry to reflect the Program Charge expense associated with the GTSR Program, excluding marketing and administrative expenses, for customers taking service under Schedule E-GT, equal to the Program Charge rate, excluding the allowance for FF&U accounts expense, multiplied by the kWh delivered under the program to the E-GT customers for the month.
- g. A debit or credit entry to reflect Program Charge costs associated with the GTSR Program, excluding marketing and administrative expenses, for customers taking service under Schedule E-ECR, equal to the Program Charge rate, excluding the allowance for FF&U accounts expense, multiplied by the subscription level of the customer on a kWh basis where the subscription level is determined to be equal to the amount of energy generated at an Enhanced Community Renewables facility multiplied by the proportional share of the customer's subscription level on a monthly basis.

The following entries shall be made annually as data becomes available to true-up expense entries for the interim pool of resources and components of the Program Charge and/or to transfer GTSR Program Solar generation expenses to ERRAs associated with the backstop provisions of Pub. Utilities Code §2833(s):

- h. A debit or credit entry associated with the interim pool of renewable resources equal to the difference between the Solar Charge rate associated with these resources, excluding the allowance for FF&U account expense, and the actual weighted average solar cost for the interim pool of renewable resources, multiplied by the kWh delivered under the program to E-GT customers.
- i. A debit or credit entry associated with two components of the Program Charge – California Independent System Operator (CAISO) Grid Management Charges (GMC) and Western Renewable Energy Generation Information System (WREGIS) expenses – equal to the difference between the forecasted rate per kWh for these components and the actual rate per kWh for these components, if applicable, multiplied by the kWh delivered under the program to the E-GT customers and the subscription level in kWh delivered to the E-ECR customers.

The following entry shall be made monthly:

- j. An entry equal to interest on the average balance in the account at the beginning of the month and the balance after the above entries, at a rate equal to one-twelfth of the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15 or its successor.

(N)

(Continued)



ELECTRIC PRELIMINARY STATEMENT PART GR
GREEN TARIFF SHARED RENEWABLES BALANCING ACCOUNT (GTSRBA)

Sheet 3 (N)
(N)

GR. Green Tariff Shared Renewables Balancing Account (GTSRBA) (Cont'd.)

(N)

5. DISPOSITION

- a. Disposition of the GTSRBA balance attributable to Line 4.e: At the end of each calendar year, expenses attributable to over delivery of renewable resources procured to serve customers taking service under schedule E-GT that is in excess of the program subscription or as a result of program under-subscription, will be transferred to the Energy Resource Recovery Account (ERRA).
- b. Disposition of the GTSRBA balance, excluding amounts on line 5.a will be determined through a) the advice letter process or b) through an Application.

(N)



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 1 (N)
 (N)

APPLICABILITY: The Enhanced Community Renewables (ECR) program is one of two (N)
 voluntary rate supplements to the customer's otherwise applicable rate
 schedule (OAS) offered within the Green Tariff Shared Renewables (GTSR)
 program. The ECR program allows a customer to choose to receive a bill
 credit from PG&E reflective of the customer's subscription to an ECR solar
 facility. Schedule E-ECR is available to a PG&E Bundled-Service customer on
 a first-come, first-served basis until the earlier of (i) the date that customer
 participation under E-GT and the combined nameplate rated generating
 capacity of all Community Renewables facilities participating on schedule E-
 ECR reaches the GTSR program cap of 272 MW, which is PG&E's allocated
 share of the total statewide GTSR program cap of 600 MW; or (ii) January 1,
 2019. Once the program cap is reached or January 1, 2019, no new
 customers will be allowed to take service under this schedule, only existing
 customers will be allowed to continue until the program is terminated.
 Each customer must continue to take service under the provisions of their
 OAS. A customer is not eligible to participate in the Enhanced Community
 Renewables program if the customer is taking service on either: 1)
 Transitional Bundled Service under electric Rule 22.1, 2) Schedule S, where
 the customers demand is regularly served by a non-PG&E supply, 3) in
 conjunction with a net metering rate schedule, or 4) non-metered service.
 Customers served under this schedule must enter into a Customer Developer
 Agreement (CDA) with a Developer of an Enhanced Community Renewables
 facility and consent to the Developer providing information about the
 customer's subscription to PG&E on a regular basis in order for PG&E to
 accurately bill the customer.
TERRITORY: This schedule is available to bundled service customers in PG&E's electric
 service territory.
RATES: The customer will be billed for all regular charges applicable under the
 customer's OAS. Additional charges and credits will be assessed on a per
 kWh basis according to the rates specified in this schedule, the amount of
 energy generated at an Enhanced Community Renewables facility, and the
 portion of that generation in the customer's subscription.
Solar Charge and Credit: The cost of renewable generation purchased at the
 ECR contract price included in the PPA for a specific ECR facility. This charge
 is always offset to \$0.00 since the PPA requires that the developer allow the
 ECR contract price for energy related to subscribed capacity to be applied as
 a credit to the customer.
Program Charge: The customer taking service under Schedule E-ECR will
 pay an amount for program charges. Program charges are set to (1) fund the
 administration and marketing costs associated with the program, and (2) to
 ensure that non-participating customers do not fund the program. Program
 charges will be applied based on the calendar year that the customer begins
 service on this rate schedule (i.e., program enrollment). For example, if the
 customer begins taking service in the calendar year 2016, the customer is
 assigned the 2016 Program Charge. (N)

(Continued)

ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 2 (N)
(N)

RATES:
(Cont'd.)

Generation Credit: The customer taking service on Schedule E-ECR will receive a credit equal to the average generation rate for the OAS class of service. The average generation credit is provided to recognize that the customer's energy supply is now being provided by a renewable resource and displaces the charges for the generation portfolio associated with the OAS.

Schedule E-ECR charges and credits are shown in the table below, and subject to adjustment annually and as approved by the Commission. No discounts (e.g., FERA, CARE) are applicable to the rates stated herein. The customer will be billed based on the sum of the Generation Credit, and the applicable Program Charge.

Customer Class	Solar Charge & Credit	Generation Credit	Program Charge
Residential			
-- 2015 Enrollment	\$0.00000	(\$0.09926)	\$0.02044
Schedule A-1 -- 2015 Enrollment	\$0.00000	(\$0.10208)	\$0.01665
Schedule A-10 -- 2015 Enrollment	\$0.00000	(\$0.10692)	\$0.01862
Schedule E-19 -- 2015 Enrollment	\$0.00000	(\$0.09732)	\$0.01501
Schedule LS-3 -- 2015 Enrollment	\$0.00000	(\$0.08711)	\$0.00670
Agriculture and Schedule E-37 -- 2015 Enrollment	\$0.00000	(\$0.08155)	\$0.01766
Schedule E-20 T -- 2015 Enrollment	\$0.00000	(\$0.08273)	\$0.01359
Schedule E-20 P -- 2015 Enrollment	\$0.00000	(\$0.09099)	\$0.01401
Schedule E-20 S -- 2015 Enrollment	\$0.00000	(\$0.09307)	\$0.01425

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

** The program charge includes a marketing and administration charge of \$0.00585 which is composed of \$0.00092 per kWh for marketing and \$0.00493 per kWh for administrative costs.

(Continued)

Advice Letter No: 4639-E
Decision No. 15-01-051

Issued by
Steven Malnight
Senior Vice President
Regulatory Affairs

Date Filed
Effective
Resolution No.

May 13, 2015
November 20, 2015



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 3 (N)
(N)

**ENROLLMENT
TERM:**

Service under this schedule shall become effective on the first day of the next calendar month following the date that PG&E successfully processes the enrollment request. However, service under this Schedule shall not become effective until the first day of the calendar month following the Commercial Operation Date (COD) of the ECR facility to which the customer is subscribed.

Notwithstanding any provisions of the CDA, there is no minimum service length under this schedule. There is also no termination fee associated with terminating participation in this program. Upon receipt from the Developer of the customer's desired termination in the ECR program, cancellation of the customer's participation in the ECR program will become effective as of the start of the customer's next bill period. However, due to the time required for settlements, as further discussed in the Billing section below, Customers may continue to receive ECR charges and credits on their regular billing statement after they have de-enrolled from the program to reflect kWh that were generated by the ECR Facility and allocated to the customer prior to the effective date of the Customer's de-enrollment.

Service under this schedule shall automatically terminate should the Power Purchase Agreement between PG&E and the ECR Developer for the ECR facility which a customer is subscribed, be terminated or delivery term ends. Service under this schedule shall also automatically terminate should the CDA between the developer and the customer terminate or expire. The Developer is responsible for notifying PG&E of this change.

Customers may only subscribe to the facility if they are physically located within the same county as the facility or if their service address is within ten miles of the facility. A customer who is subscribed to the project after the project's COD is no longer required to be physically located within the same county or have a service address within ten miles of an ECR facility. In this way, a customer's service under this schedule is portable within PG&E's electric service territory. If in transferring service, a customer closes the existing service agreement served under this schedule and opens a new service agreement in another location within PG&E's service territory, the customer will be considered as having continuously received service under this schedule for the purposes of determining the Program Charge vintage to apply to the new service agreement.

**ENROLLMENT
PROVISIONS:**

Customers may only subscribe to a single ECR facility at a time.

Customers are not permitted to subscribe to more than 100% of their energy demand, whereby 120% of the customer's reasonably anticipated annual load is determined by PG&E and used as a proxy for determining 100% of the customer's energy demand.

(Continued)



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 4 (N)
(N)

ENROLLMENT PROVISIONS:
(Cont'd.)

A customer's subscription cannot be less than the equivalent of an annual average of either (i) 100kWh per month or (ii) 25% of the customer's load per month.

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

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

45 MW of capacity is reserved for residential customer participation in the GTSR program and 20 MW is reserved for the City of Davis. Non-residential customer enrollment may no longer be permitted if non-residential customer participation in the GTSR program reached the equivalent of 207 MW.

BILLING:

The amount billed under the ECR program will appear on the customer's bill as additional charges and credits to the customer's OAS schedule as described above.

The regular billing period for customers served under this schedule will be based on a calendar month. Customers taking service under this schedule will be required to shift to a common billing cycle upon enrollment.

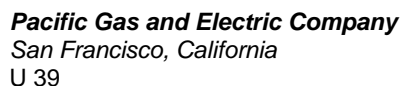
The Developer must provide PG&E with customer subscription information in order for PG&E to allocate kWh to each customer based on their subscription level and assess customer charges and credits as described in the Rates section above. If PG&E does not receive subscription information from the Developer, ECR charges and credits will not be applied.

There may be a difference in the time period when the kWh are generated by an ECR facility and applied to a customer's bill. The credits and charges that are described in the Rates section are effective as of the date the kWh are generated by the ECR facility, regardless of when the kWh are applied to the customer's bill.

¹ PU Code 2833(h)

² PU Code 2833 (i)

(Continued)



Cancelling Original

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

35382-E

ELECTRIC SCHEDULE E-ECR ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 5 (N)
(N)

BILLING:
(Cont'd.)

When a customer elects to close the service agreement served under this schedule prior to the end of the Customer's regular billing period, the credits and charges shown in the Rates section above will continue to apply until the end of the calendar month. This also applies when a customer elects to transfer the enrollment to a new service agreement. The customer may experience a delay in receiving the closing bill for the closed service agreement due to the difference in the time periods for when kWh are generated by an ECR facility and applied to a customer's bill.

(N)

**CUSTOMER
DISCLOSURES
AND
PROTECTIONS:**

Customers should refer to the ECR program customer disclosure and consumer protection provisions found in enrollment forms that apply when receiving service hereunder. Customers should understand that PG&E is not a party to the CDA between the customer and the developer, and that the customer does not have a contractual obligation with PG&E related to any terms or provisions contained within the CDA or PG&E's PPA with the developer. Any disputes arising from the execution of any terms or provisions of the CDA shall be resolved between the Customer and the Developer and shall not involve PG&E as a party to the dispute. PG&E's responsibility under this schedule is to apply the charges and credits shown in the Rates section above to the customer's subscription, based on instructions received from the Developer. By completing and submitting enrollment forms, customers served under this schedule consent to the Developer and PG&E sharing information about the customer for purposes of ensuring customer eligibility and billing the customer consistent with the provisions of this schedule.

METERING
EQUIPMENT:

All customers must be metered under their OAS.

OTHER PROGRAMS:

GTSR Enhanced Community Renewables program: Customers served under this schedule cannot concurrently participate on schedule E-GT.

(N)

Advice Letter No: 4639-E
Decision No. 15-01-051

Issued by
Steven Malnight
Senior Vice President
Regulatory Affairs

Date Filed	May 13, 2015
Effective	November 20, 2015
Resolution No.	



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

Sheet 1 (N)
(N)

APPLICABILITY: The Green Tariff (GT) is one of two voluntary rate supplements to the customer's otherwise applicable rate schedule (OAS) offered within the Green Tariff Shared Renewables (GTSR) program. The Green Tariff option allows a customer to choose to purchase renewable electricity in the amount of 50% or 100% of their electric usage. Schedule E-GT is available to a PG&E Bundled-Service customer on a first-come, first-served basis until the earlier of (i) the date that customer purchases under this schedule and the combined nameplate rated generating capacity of all Enhanced Community Renewables(ECR) facilities participating on schedule E-ECR reaches the GTSR program cap of 272 MW, which is PG&E's allocated share of the total statewide GTSR program cap of 600 MW; or (ii) January 1, 2019. Once the program cap is reached or January 1, 2019, no new customers will be allowed to take service under this schedule, only existing customers will be allowed to continue until the program is terminated.

(N)

Each customer will continue to take service under the provisions of their OAS. A customer is not eligible to participate in the Green Tariff program if the customer is taking service on either: 1) Transitional Bundled Service under electric Rule 22.1, 2) Schedule S, where the customers demand is regularly served by a non-PG&E supply, 3) in conjunction with a net metering rate schedule, or 4) non-metered service.

TERRITORY: This schedule is available to bundled service customers in PG&E's electric service territory.

RATES: The customer will be billed for all regular charges applicable under the customer's OAS. Additional charges and credits will be determined according to the rates specified in this schedule and applied to enrolled kWh.

Solar Charge: The cost of renewable generation purchased to provide service under this voluntary rate option.

Program Charge: The customer taking service under Schedule E-GT will pay an amount for program charges. Program charges are set to (1) fund the administration and marketing costs associated with the program, and (2) to ensure that non-participating customers do not fund the program. Program charges will be applied based on the calendar year that the customer begins service on this rate schedule. For example, if the customer begins taking service in the calendar year 2016, the customer is assigned the 2016 Program Charge.

(N)

(Continued)



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

Sheet 2 (N)
 (N)

RATES:
 (Cont'd.)

Generation Credit: The customer taking service on Schedule E-GT will receive a credit equal to the average generation rate for the OAS class of service. The average generation credit is provided to recognize that the customer's energy supply is now being provided by a renewable resource and displaces the charges for the generation portfolio associated with the OAS.

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

Customer Class	Solar Charge	Generation Credit	Program Charge**
Residential			
-- 2015 Enrollment	\$0.10401	(\$0.09926)	\$0.02044
Schedule A-1*			
-- 2015 Enrollment	\$0.10401	(\$0.10208)	\$0.01665
Schedule A-10			
-- 2015 Enrollment	\$0.10401	(\$0.10692)	\$0.01862
Schedule E-19			
-- 2015 Enrollment	\$0.10401	(\$0.09732)	\$0.01501
Schedule LS-3			
-- 2015 Enrollment	\$0.10401	(\$0.08711)	\$0.00670
Agriculture and Schedule E-37			
-- 2015 Enrollment	\$0.10401	(\$0.08155)	\$0.01766
Schedule E-20 T			
-- 2015 Enrollment	\$0.10401	(\$0.08273)	\$0.01359
Schedule E-20 P			
-- 2015 Enrollment	\$0.10401	(\$0.09099)	\$0.01401
Schedule E-20 S			
-- 2015 Enrollment	\$0.10401	(\$0.09307)	\$0.01425

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

** The program charge includes a marketing and administration charge of \$0.00585 which is composed of \$0.00092 per kWh for marketing and \$0.00493 per kWh for administrative costs.

(Continued)



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

Sheet 3 (N)
(N)

**ENROLLMENT
PROVISIONS:**

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

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

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

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

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

**ENROLLMENT
TERM:**

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

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

¹ PU Code 2833(h)

² PU Code 2833 (i)

(Continued)



ELECTRIC SCHEDULE E-GT
GREEN TARIFF PROGRAM

Sheet 4 (N)
(N)

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



Pacific Gas and Electric Company
San Francisco, California
U 39

Revised
Cancelling Revised

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

35387-E
35369-E

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Sheet 1

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Advice Letter No: 4639-E
Decision No. 15-01-051

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Steven Malnight
Senior Vice President
Regulatory Affairs

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Resolution No.

ELECTRIC TABLE OF CONTENTS

RATE SCHEDULES

Sheet 6

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NEMVMASH	Net Energy Metering – Virtual Net Energy Metering ...	31625,33922*,30516,33923,33924,33925,31630-31637,33217,31639,33676-E
E-ERA	Energy Rate Adjustments.....	35164,35165,35166,35167-E
RES-BCT	Schedule for Local Government Renewable Energy Self-Generation Bill Credit Transfer.....	30752,30753,29208,32216-32219,29213,32220-E
E-OBFB	On-Bill Financing Balance Account (OBFBFA)	29490-29492-E
E-OBR	On-Bill Repayment (OBR) Pilots	34527-34533-E
E-SOP	Residential Electric SmartMeter ^{1M} Opt-Out Program	35105,35106-E
PEVSP	Plug-In Electric Vehicle Submetering Pilot – Phase 1	35260,35261,34249,35262,35263-E

(Continued)

Advice Letter No: 4639-E
Decision No. 15-01-051

Issued by
Steven Malnight
Senior Vice President
Regulatory Affairs

Date Filed May 13, 2015
Effective _____
Resolution No. _____



ELECTRIC TABLE OF CONTENTS
PRELIMINARY STATEMENT

Sheet 11

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Part G	Catastrophic Event Memorandum Account	18998,11740-E
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Part M	California Alternate Rates for Energy Account	32249, 29849-E
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(Continued)

Advice Letter No: 4639-E
Decision No. 15-01-051

Issued by
Steven Malnight
Senior Vice President
Regulatory Affairs

Date Filed May 13, 2015
Effective _____
Resolution No. _____



**ELECTRIC TABLE OF CONTENTS
PRELIMINARY STATEMENT**

Sheet 14

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Part CJ	Negative Ongoing Transition Charge Memorandum Account	25999-E
Part CK	Distribution Bypass Deferral Rate Memorandum Account	20619-E
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(Continued)



ELECTRIC TABLE OF CONTENTS
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Part GB	Greenhouse Gas Revenue Balancing Account	32421-E
Part GC	California Energy Systems for the 21 st Century Balancing Account	33937-E
Part GD	Smart Grid Pilot Deployment Project Balancing Account	32540-32542-E
Part GE	Statewide Marketing, Education and Outreach Expenditure Balancing Account	32643-E
Part GF	Customer Data Access Balancing Account – Electric	33136-E
Part GH	Mobile Home Park Balancing Account - Electric	33894-E
Part GI	Energy Data Center Memorandum Account – Electric	33940-E
Part GJ	Major Emergency Balancing Account (MEBA)	34390-E
Part GK	SmartMeter™ Opt-Out Program Balancing Account - Electric (SOPBA-E) ..	35102,35103,35104-E
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Part GO	Disconnection Memorandum Account - Electric (DMA-E)	34604-E
Part GP	Green Tariff Shared Renewables Memorandum Account (GTSRMA)	35356,35357,35358-E (P)
Part GQ	Energy Efficiency Financing Balancing Account – Electric (EEFMA-E)	35292,35293,35294-E (P)
Part GR	Green Tariff Shared Renewables Balancing Account (GTSRBA)	35375,35376,35377-E (N)

(Continued)

Attachment B

GTSR Administrative Marketing Estimates

COMMUNITY SOLAR
DRAFT SALES AND COST ESTIMATES

CUSTOMER AND MWh ESTIMATES											
Assumptions:		Participant Share		Avg MWh/year							
Residential custom:		97.00%		5.4							
Non-Residential cu:		3.00%		248							
		2%		Attrition rate (annual)							
		20%		Solar capacity factor							
		272		MW end of 5th year							
Allocation of custs:		33%		33%		33%		0%		0%	
		2016		2017		2018		2019		2020	
		Year 1		Year 2		Year 3		Year 4		Year 5	
		2021		2022		2023		2024		2025	
		Year 6		Year 7		Year 8		Year 9		Year 10	
										Sum	
Incremental MW		91		91		91		-		-	
Total MW, EOY		91		181		272		272		272	
Avg MW		45		136		227		272		272	
Total MWh/yr (using Avg)		79,423		238,270		397,116		476,539		476,539	
								12,6780		12,6780	
Total Custs, EOY		12,529		25,059		37,588		37,588		37,588	
Avg Custs		6,265		18,794		31,323		37,588		37,588	
Lost Custs (using Avg)		125		376		626		752		752	
Net new Custs		12,655		12,905		13,156		752		752	
										40,219	

INTERNAL COST ESTIMATES														
Line No.	ESTIMATED INTERNAL ADMIN COSTS	2015	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022	Total	
		Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10		
Program Management														
1	Program Mgmt Labor	\$ 585,750	\$ 852,000	\$ 852,000	\$ 639,000	\$ 426,000	\$ 426,000	\$ 426,000	\$ 426,000	\$ 426,000	\$ 426,000	\$ 426,000	\$ 5,910,750	
2	Marketing Labor	\$ 141,075	\$ 254,769	\$ 261,775	\$ 111,299	\$ 114,360	\$ 117,505	\$ 120,736	\$ 124,057	\$ 127,468	\$ 130,974	\$ 134,575	\$ 1,638,593	
3	Contract	\$ 678,009	\$ 1,227,212	\$ 1,227,212	\$ 549,203								\$ 3,681,636	
4	Market Research		\$ 50,000		\$ 50,000		\$ 50,000		\$ 50,000		\$ 50,000		\$ 250,000	
Customer Ops and Contact Center														
5	Customer Ops and CCO	\$ 93,876	\$ 71,547	\$ 80,192	\$ 88,838	\$ 24,083	\$ 23,601	\$ 23,129	\$ 22,666	\$ 22,213	\$ 21,769	\$ 21,333	\$ 493,246	
IT														
6	IT/Billing System Enhancements	\$ 1,887,954	\$ 300,000										\$ 2,187,954	
7	Web design/tools	\$ 200,000											\$ 200,000	
Procurement/Contract Support														
8	Competitive Solicitations	\$ 201,641	\$ 214,330	\$ 176,179	\$ 181,024	\$ 65,101	\$ 95,559	\$ 98,187	\$ 100,887	\$ 103,661	\$ 106,512	\$ 109,441	\$ 1,452,521	
9	RE Strategy and EC&R	\$ 25,031	\$ 15,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 265,031	
10	Contract Management	\$ 45,000	\$ 600,124	\$ 616,628	\$ 633,585	\$ 651,008	\$ 668,911	\$ 687,306	\$ 706,207	\$ 725,628	\$ 745,583	\$ 766,086	\$ 6,846,067	
Administrative														
11	Green-e Energy certification fee	\$ 16,000	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 19,200	\$ 208,000	
12	AUP audit	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 220,000	
13	Misc expenditures and program costs		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 50,000	
Total Internal Admin		\$ 3,894,336	\$ 3,629,182	\$ 3,283,186	\$ 2,322,149	\$ 1,349,752	\$ 1,450,776	\$ 1,424,558	\$ 1,499,017	\$ 1,474,170	\$ 1,550,037	\$ 1,526,636		

TOTAL ADMIN AND MARKETING COST PER KWh ESTIMATE									
Total kWh over 10 years:		4,050,583,494		Total kWh through Year 3		1,191,348,086		Total kWh through Year 5:	
Total Admin cost over 10 years		\$ 19,722,163		Total Admin cost through Year 3		\$ 9,447,217		Total Admin cost through Year 5	
Admin cost per kWh		\$ 0.0049		Admin per kWh		\$ 0.0079		Total Admin cost through Year 7	
								\$ 15,171,320	
								Admin per kWh	
								\$ 0.0049	
Total Marketing cost over 10 years		\$ 3,681,636		Total Marketing cost through Year 3		\$ 3,681,636		Total Marketing cost through Year 5	
Marketing cost per kWh		\$ 0.0009		Marketing per kWh		\$ 0.0031		Total Marketing cost through Year 7	
								\$ 3,681,636	
								Marketing per kWh	
								\$ 0.0012	
Total Admin & Marketing cost over 10 years:		\$ 23,403,799		Total Admin & Marketing cost through Year 3:		\$ 13,128,853		Total Admin & Marketing cost over 5 years:	
A&M per kWh		\$ 0.0058		A&M per kWh		\$ 0.0110		A&M per kWh	
								\$ 15,929,381	
								al Admin & Marketing cost through Year 7	
								\$ 18,852,956	
								A&M per kWh	
								\$ 0.0061	

Attachment C

Confidential Declaration and Matrix

GTSR List of Interim Pool Projects (Redacted Public Version)

**DECLARATION OF CHRIS DIGIOVANNI
SEEKING CONFIDENTIAL TREATMENT
FOR CERTAIN DATA AND INFORMATION CONTAINED IN
ADVICE LETTER 4639-E
(PACIFIC GAS AND ELECTRIC COMPANY - U 39 E)**

I, Chris DiGiovanni, declare:

1. I am presently employed by Pacific Gas and Electric Company ("PG&E"). I am a Renewable Energy Manager in PG&E's Energy Procurement organization. In this position, my responsibilities include management of PG&E's Renewable Portfolio Standard ("RPS") contracts and finalization of the Power Purchase Agreements submitted for approval.

2. Based on my knowledge and experience, and in accordance with the Decisions 06-06-066, 08-04-023, and relevant Commission rules, I make this declaration seeking confidential treatment for certain data and information contained in Attachment C to Advice Letter 4639-E.

3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes confidential market sensitive data and information covered by D.06-06-066. The matrix also specifies why confidential protection is justified. Further, the data and information: (1) is not already public; and (2) cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text that is pertinent to my testimony in the attached matrix.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct. Executed on May 12, 2015, San Francisco, California.

Chris Di Giovanni by Qs
CHRIS DIGIOVANNI

PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

**Advice Letter 4639-E
May 13, 2015**

IDENTIFICATION OF CONFIDENTIAL INFORMATION

Redaction Reference	Category from D.06-06-066, Appendix 1, or Separate Confidentiality Order That Data Corresponds To	Justification for Confidential Treatment	Length of Time Data To Be Kept Confidential
Document: Attachment C -- GTSR Customer Side Implementation Advice Letter – List of Interim Pool Projects			
Attachment C (Contract Price Information)	VII.G – Terms and conditions of RPS contracts not eligible for Supplemental Energy Payments	Confidential terms and conditions of RPS contract that is not eligible for Supplemental Energy Payments.	Three years from contract date for deliveries to start or one year after expiration

Pacific Gas and Electric Company
Green Tariff Shared Renewables Customer-Side Implementation Advice Letter
(May 13, 2015)
List of GTSR Interim Pool Power Projects (PUBLIC VERSION)

Project Name	Procurement Method	Technology	Actual COD	Post-TOD Contract Price	County	Zip Code	Facility Status	Contract Capacity (MW)	2016 Expected Generation (MWh)	Weighted average price
Bear Creek Solar Project	AB1969	Solar Photovoltaic	2/5/2014	\$143.51	San Joaquin	93234	Online-Fully Delivering	1.5	2,095	\$102.79
Pristine Sun Christensen	AB1969	Solar Photovoltaic	2/7/2014	\$141.92	Fresno	93616	Online-Fully Delivering	0.999	1,396	
Westlands Solar Farms PV1	PV 1 RFO	Solar Photovoltaic	2/14/2014		Fresno	93234	Online-Fully Delivering	18	38,133	
Pristine Sun Hill	AB1969	Solar Photovoltaic	2/20/2014	\$142.24	San Luis Obispo	93465	Online-Fully Delivering	0.75	1,047	
Pristine Sun Cotton	AB1969	Solar Photovoltaic	3/3/2014	\$142.78	Butte	95966	Online-Fully Delivering	0.999	1,396	
Pristine Sun Jardine	AB1969	Solar Photovoltaic	3/3/2014	\$142.24	San Luis Obispo	92660	Online-Fully Delivering	0.999	1,396	
Pristine Sun Scherz	AB1969	Solar Photovoltaic	3/3/2014	\$142.24	San Luis Obispo	93432	Online-Fully Delivering	0.5	698	
Ignite Solar Holdings 1 - Achomawi	AB1969	Solar Photovoltaic	3/5/2014	\$144.16	Shasta	96028	Online-Fully Delivering	1.5	2,094	
Ignite Solar Holdings 1 - Ahjumawi	AB1969	Solar Photovoltaic	3/5/2014	\$144.16	Shasta	96028	Online-Fully Delivering	1.5	2,094	
Pristine Sun Buzzelle	AB1969	Solar Photovoltaic	3/6/2014	\$142.78	Butte	95965	Online-Fully Delivering	0.999	1,395	
Vintner Solar Project	AB1969	Solar Photovoltaic	3/6/2014	\$142.24	San Luis Obispo	93465	Online-Fully Delivering	1.5	2,094	
Kettleman Solar Project	AB1969	Solar Photovoltaic	3/14/2014	\$143.51	San Joaquin	95240	Online-Fully Delivering	1	1,396	
Orion Solar - PV 1	PV 1 RFO	Solar Photovoltaic	4/14/2014		Kern	93203	Online-Fully Delivering	12	30,200	
Enerparc CA1 (FKA San Benito Smart Park) (33R210AB)	AB1969	Solar Photovoltaic	6/16/2014	\$142.70	San Benito	95023	Online-Fully Delivering	1.499	2,090	
Pristine Sun Terzian	AB1969	Solar Photovoltaic	6/17/2014	\$141.92	Fresno	93654	Online-Fully Delivering	1.25	1,742	
Cloverdale Solar FSEC 1	AB1969	Solar Photovoltaic	6/26/2014	\$141.12	Sonoma	95425	Online-Fully Delivering	1.5	2,090	
Pristine Sun Fitzjarrell	AB1969	Solar Photovoltaic	6/27/2014	\$144.17	Shasta	96007	Online-Fully Delivering	0.999	1,394	
Pristine Sun Jarvis	AB1969	Solar Photovoltaic	6/27/2014	\$142.79	Butte	95966	Online-Fully Delivering	0.999	1,393	
White River Solar 2 - RAM 2	RAM 2 RFO	Solar Photovoltaic	10/2/2014		Tulare	20161	Online-Fully Delivering	19.75	43,910	
Pristine Sun Harris	AB1969	Solar Photovoltaic	12/2/2014	\$144.54	Sutter	95953	Online-Fully Delivering	1.25	1,737	
Putah Creek Solar Farms (SB32)	AB1969	Solar Photovoltaic	12/23/2014	\$91.18	Yolo	95694	Online-Fully Delivering	2	4,579	
Kent South - PV 2	PV 2 RFO	Solar Photovoltaic	12/29/2014		Kings	93266	Online-Fully Delivering	20	49,932	
RE Old River One - RAM 3	RAM 3 RFO	Solar Photovoltaic	12/30/2014		Kern	20264	Online-Fully Delivering	20	53,981	
APEX 646-460	AB1969	Solar Photovoltaic	1/14/2015	\$123.33	Tulare	93646	Online-Fully Delivering	0.75	1,053	
CID Solar PV Project - RAM 2	RAM 2 RFO	Solar Photovoltaic	1/20/2015		Kings	93212	Online-Fully Delivering	19.76	51,899	


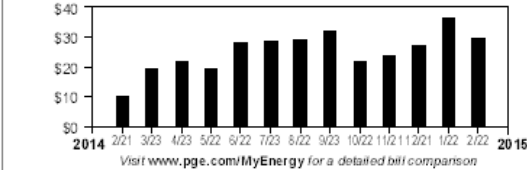

Redacted Information is confidential subject to D.06-06-066, Appendix 1, Section VII.G

Attachment D


GTSR Combined Bill Presentment

Green Tariff (GT) Bill Presentment Example

1. Bill Summary Page One

 ENERGY STATEMENT www.pge.com/MyEnergy		Account No: Statement Date: 02/22/2015 Due Date: 03/16/2015												
Service For: GT Example	Your Account Summary <table style="width: 100%;"><tr><td>Amount Due on Previous Statement</td><td style="text-align: right;">\$36.36</td></tr><tr><td>Payment(s) Received Since Last Statement</td><td style="text-align: right;">-36.36</td></tr><tr><td>Previous Unpaid Balance</td><td style="text-align: right;">\$0.00</td></tr><tr><td>Current Electric Charges</td><td style="text-align: right;">\$ 51.54</td></tr></table>		Amount Due on Previous Statement	\$36.36	Payment(s) Received Since Last Statement	-36.36	Previous Unpaid Balance	\$0.00	Current Electric Charges	\$ 51.54				
Amount Due on Previous Statement	\$36.36													
Payment(s) Received Since Last Statement	-36.36													
Previous Unpaid Balance	\$0.00													
Current Electric Charges	\$ 51.54													
Questions about your bill? 24 hours per day, 7 days per week Phone: 1-800-743-5000 www.pge.com/MyEnergy	Total Amount Due by 03/16/2015 \$ 51.54													
Local Office Address 14550 TUOLUMNE RD SONORA, CA 95370	Electric Monthly Billing History  <table style="width: 100%; margin-top: 5px;"><thead><tr><th colspan="3">Daily Usage Comparison</th></tr><tr><th>1 Year Ago Period</th><th>Last Period</th><th>Current Period</th></tr></thead><tbody><tr><td>400</td><td>10.57</td><td>9.23</td></tr><tr><td colspan="3" style="text-align: center;">Electric kWh / Day</td></tr></tbody></table> <p style="font-size: small; text-align: center;">Visit www.pge.com/MyEnergy for a detailed bill comparison</p>		Daily Usage Comparison			1 Year Ago Period	Last Period	Current Period	400	10.57	9.23	Electric kWh / Day		
Daily Usage Comparison														
1 Year Ago Period	Last Period	Current Period												
400	10.57	9.23												
Electric kWh / Day														
Your Enrolled Programs GT	Important Messages Electric power line safety PG&E cares about your safety. Be aware of your surroundings and keep yourself, tools, equipment and antennas at least 10 feet away from overhead power lines. If you see an electric power line fall to the ground, keep yourself and others away. Call 9-1-1.													
----- Please return this portion with your payment. No staples or paper clips. Do not fold. Thank you. -----														
99900000048137400000029740000002974														
 <div style="border: 1px solid black; padding: 5px; width: 100%;">Account Number: Due Date: 03/16/2015 Total Amount Due: \$ 51.54 Amount Enclosed: <table style="width: 100%;"><tr><td>\$</td><td><div style="width: 100%; height: 15px; background-color: #e0e0e0; position: relative;"><div style="width: 100%; height: 100%;"></div></div></td></tr></table></div>	\$	<div style="width: 100%; height: 15px; background-color: #e0e0e0; position: relative;"><div style="width: 100%; height: 100%;"></div></div>	PG&E BOX 997300 SACRAMENTO, CA 95899-7300											
\$	<div style="width: 100%; height: 15px; background-color: #e0e0e0; position: relative;"><div style="width: 100%; height: 100%;"></div></div>													
Page 1 of 3														

2. Electric Charges Breakdown Page

	<h1 style="margin: 0;">ENERGY STATEMENT</h1> <p style="margin: 0;">www.pge.com/MyEnergy</p>	<p>Account No: _____</p> <p>Statement Date: 02/22/2015</p> <p>Due Date: 03/16/2015</p>
---	---	--

Important Phone Numbers - 24 hours per day, 7 days per week

Customer Service (All Languages; Relay Calls Accepted) 1-800-743-5000

TDD/TTY (Speech/Hearing Impaired) 1-800-652-4712

Servicio al Cliente en Español (Spanish)	1-800-660-6789	Dịch vụ khách tiếng Việt (Vietnamese)	1-800-298-8438
華語客戶服務 (Chinese)	1-800-893-9555	Business Customer Service	1-800-488-4743

Rules and rates

You may be eligible for a lower rate. To learn more about optional rates or view a complete list of rules and rates, visit www.pge.com or call 1-800-743-5000.

If you believe there is an error on your bill, please call 1-800-743-5000 to speak with a representative. If you are not satisfied with our response, contact the California Public Utilities Commission (CPUC), Consumer Affairs Branch, 505 Van Ness Avenue, San Francisco, CA 94102, 1-800-649-7570 or 415-703-2032 (TDD/TTY).

To avoid having service turned off while you wait for a CPUC decision, enclose a deposit check (payable to the CPUC) for the disputed amount and a description of the dispute. The CPUC will only accept deposits for matters that relate directly to billing accuracy. If it is not possible for you to pay your deposit, you must advise the CPUC. PG&E can not turn off your service for nonpayment while it is under review by the CPUC, however, you must continue to pay your current charges to keep your service turned on.

If you are not able to pay your bill, call PG&E to discuss how we can help. You may qualify for reduced rates under PG&E's CARE program or other special programs and agencies may be available to assist you. You may qualify for PG&E's Energy Savings Assistance Program which is an energy efficiency program for income-qualified residential customers.

DWR bond charge: Recovers the cost of bonds issued by the Department of Water Resources (DWR) to purchase power to serve electric customers during the California energy crisis. DWR bond charges are collected on behalf of DWR and do not belong to PG&E.

DWR power charge: Included in generation charges for energy provided by DWR. Approximately 1% of your energy is provided by DWR and collected by PG&E as DWR's agent. In 2015, DWR will receive \$124,455,827 from bundled service customers which offsets other generation charges in this bill.

Power Charge Indifference Adjustment (PCIA): Ensures that non-exempt customers who purchase electricity (generation) from non-PG&E suppliers pay their share of generation costs acquired to serve them prior to their departure.

Gas Public Purpose Program (PPP) Surcharge. Used to fund state-mandated gas assistance programs for low-income customers, energy efficiency programs, and public-interest research and development.

Visit www.pge.com/billexplanation for more definitions. To view most recent bill inserts including legal or mandated notices, visit www.pge.com/billinserts.

Important definitions

Rotating outage blocks are subject to change without advance notice due to operational conditions.

Tier 1 (Baseline) allowance: All residential customers are given a Tier 1 allowance - a CPUC approved percentage of average customer usage during summer and winter months. Your Tier 1 allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is assigned based on the climate where you live (baseline territory), the season and your heat source. As you use more energy, you pay more for each tier of usage.

Electric Tier	% of Baseline
1	0% – 100%
2	101% – 130%
3	131% – 200%
4	> 200%

Gas Tier	% of Baseline
1	0% – 100%
2	> 100%

Your Electric Charges Breakdown

Conservation Incentive	-\$8.28
Generation	26.99
Transmission	5.05
Distribution	4.86
Public Purpose Programs	1.96
Nuclear Decommissioning	0.27
Competition Transition Charges (CTC)	0.19
Energy Cost Recovery Amount	-1.40
GT Program	6.67
Taxes and Other	0.08
Total Electric Charges	\$51.54

PG&E refers to Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. © 2015 Pacific Gas and Electric Company. All rights reserved.

Please do not mark in box. For system use only.

Update My Information (English Only)

Please allow 1-2 billing cycles for changes to take effect

Account Number: _____

Change my mailing address to: _____

City _____ State _____ ZIP code _____

Primary Phone # _____ Primary Email _____

Ways To Pay

- **Online at www.pge.com/waystopay**
- **PG&E's Mobile Bill Pay**
- **Automatic Payment Service:** Sign up to authorize automatic payments sent from your bank account each month.
- **By mail:** Send your payment along with this payment stub in the envelope provided.
- **By debit card, Visa, Mastercard or Discover:** Call 1-877-704-8470 at any time. (Our independent service provider charges a fee for each transaction.)
- **At a PG&E payment center or local office:** To find a payment center or local office near you, please visit www.pge.com or call 1-800-743-5000. Please bring a copy of your bill with you.

Page 2 of 3

3. Service Agreement Page



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No:
Statement Date: 02/22/2015
Due Date: 03/16/2015

Details of Electric Charges

01/22/2015 - 02/20/2015 (30 billing days)

Service For:

Service Agreement ID:

Rate Schedule: E1 YH Residential Service

Enrolled Programs: GT - 100%

01/22/2015 - 02/20/2015	Your Tier Usage	1	2	3	4
Tier 1 Allowance	813.00 kWh (30 days x 27.1 kWh/day)				
Tier 1 Usage	277.000000 kWh @ \$0.16170				
GT Program ¹					
Solar Charge	277.00000 kWh @ 0.10700				29.64
Program Charge	277.00000 kWh @ 0.01635				4.53
Generation Credit	277.00000 kWh @ -\$0.09926				-27.50
Energy Commission Tax					0.08

Total Electric Charges \$ 51.54

¹Your total cost for participating in the GT Program this period is **\$6.67**. This is included in the Total Electric Charges amount. If you have any additional questions, please visit our website at www.pge.com/greenoption.

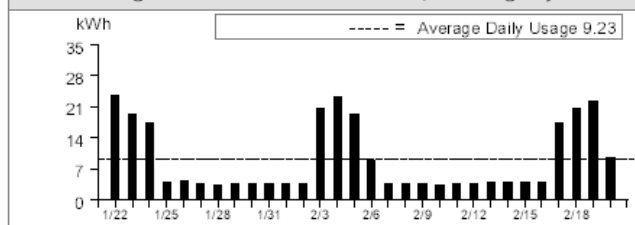
Service Information

Meter #
Current Meter Reading 17,624
Prior Meter Reading 17,347
Total Usage 277.000000 kWh
Baseline Territory Y
Heat Source Electric
Serial X
Rotating Outage Block 50

Additional Messages

Your GT Program Impact: This bill period you have avoided **421 pounds** of CO₂ emissions. This is equivalent to **22 gallons** of gasoline not consumed.

Electric Usage This Period: 277.000000 kWh, 30 billing days


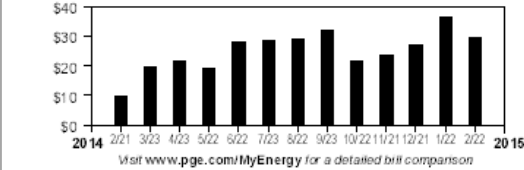



Visit www.pge.com/MyEnergy for a detailed bill comparison.


Page 3 of 3

Enhanced Community Renewables (ECR) Bill Presentment Example


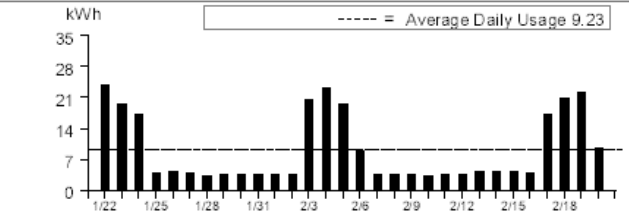
1. Bill Summary Page One

 ENERGY STATEMENT www.pge.com/MyEnergy		Account No:
		Statement Date: 02/22/2015
		Due Date: 03/16/2015
Service For:	Your Account Summary	
ECR	Amount Due on Previous Statement	\$36.36
	Payment(s) Received Since Last Statement	-36.36
	Previous Unpaid Balance	\$0.00
	Current Electric Charges	\$26.05
Questions about your bill?		Total Amount Due by 03/16/2015 \$26.05
24 hours per day, 7 days per week Phone: 1-800-743-5000 www.pge.com/MyEnergy		
Local Office Address		
14550 TUOLUMNE RD SONORA, CA 95370		
Your Enrolled Programs		
ECR		
		Electric Monthly Billing History
		
		Visit www.pge.com/MyEnergy for a detailed bill comparison
Important Messages		
Electric power line safety PG&E cares about your safety. Be aware of your surroundings and keep yourself, tools, equipment and antennas at least 10 feet away from overhead power lines. If you see an electric power line fall to the ground, keep yourself and others away. Call 9-1-1.		
Please return this portion with your payment. No staples or paper clips. Do not fold. Thank you.		
99900000048137400000029740000002974		
	Account Number: 	Due Date: 03/16/2015
		Total Amount Due: \$26.05
	Amount Enclosed: \$ 	
PG&E BOX 997300 SACRAMENTO, CA 95899-7300		
Page 1 of 3		

2. Electric Charges Breakdown Page

	<h1 style="margin: 0;">ENERGY STATEMENT</h1> <p style="margin: 0;">www.pge.com/MyEnergy</p>	<p>Account No: </p> <p>Statement Date: 02/22/2015</p> <p>Due Date: 03/16/2015</p>																						
Important Phone Numbers - 24 hours per day, 7 days per week																								
Customer Service (All Languages; Relay Calls Accepted) 1-800-743-5000 TDD/TTY (Speech/Hearing Impaired) 1-800-652-4712																								
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Servicio al Cliente en Español (Spanish)</td> <td style="width: 33%;">1-800-660-6789</td> <td style="width: 33%;">Dịch vụ khách tiếng Việt (Vietnamese)</td> <td style="width: 33%;">1-800-298-8438</td> </tr> <tr> <td>華語客戶服務 (Chinese)</td> <td>1-800-893-9555</td> <td>Business Customer Service</td> <td>1-800-468-4743</td> </tr> </table>			Servicio al Cliente en Español (Spanish)	1-800-660-6789	Dịch vụ khách tiếng Việt (Vietnamese)	1-800-298-8438	華語客戶服務 (Chinese)	1-800-893-9555	Business Customer Service	1-800-468-4743														
Servicio al Cliente en Español (Spanish)	1-800-660-6789	Dịch vụ khách tiếng Việt (Vietnamese)	1-800-298-8438																					
華語客戶服務 (Chinese)	1-800-893-9555	Business Customer Service	1-800-468-4743																					
Rules and rates <p>You may be eligible for a lower rate. To learn more about optional rates or view a complete list of rules and rates, visit www.pge.com or call 1-800-743-5000.</p> <p>If you believe there is an error on your bill, please call 1-800-743-5000 to speak with a representative. If you are not satisfied with our response, contact the California Public Utilities Commission (CPUC), Consumer Affairs Branch, 505 Van Ness Avenue, San Francisco, CA 94102, 1-800-649-7570 or 415-703-2032 (TDD/TTY).</p> <p>To avoid having service turned off while you wait for a CPUC decision, enclose a deposit check (payable to the CPUC) for the disputed amount and a description of the dispute. The CPUC will only accept deposits for matters that relate directly to billing accuracy. If it is not possible for you to pay your deposit, you must advise the CPUC. PG&E can not turn off your service for nonpayment while it is under review by the CPUC, however, you must continue to pay your current charges to keep your service turned on.</p> <p>If you are not able to pay your bill, call PG&E to discuss how we can help. You may qualify for reduced rates under PG&E's CARE program or other special programs and agencies may be available to assist you. You may qualify for PG&E's Energy Savings Assistance Program which is an energy efficiency program for income-qualified residential customers.</p>																								
Important definitions <p>Rotating outage blocks are subject to change without advance notice due to operational conditions.</p> <p>Tier 1 (Baseline) allowance: All residential customers are given a Tier 1 allowance - a CPUC approved percentage of average customer usage during summer and winter months. Your Tier 1 allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is assigned based on the climate where you live (baseline territory), the season and your heat source. As you use more energy, you pay more for each tier of usage.</p>																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Electric Tier</th> <th style="width: 70%;">% of Baseline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0% – 100%</td> </tr> <tr> <td>2</td> <td>101% – 130%</td> </tr> <tr> <td>3</td> <td>131% – 200%</td> </tr> <tr> <td>4</td> <td>> 200%</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Gas Tier</th> <th style="width: 70%;">% of Baseline</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0% – 100%</td> </tr> <tr> <td>2</td> <td>> 100%</td> </tr> </tbody> </table>			Electric Tier	% of Baseline	1	0% – 100%	2	101% – 130%	3	131% – 200%	4	> 200%	Gas Tier	% of Baseline	1	0% – 100%	2	> 100%						
Electric Tier	% of Baseline																							
1	0% – 100%																							
2	101% – 130%																							
3	131% – 200%																							
4	> 200%																							
Gas Tier	% of Baseline																							
1	0% – 100%																							
2	> 100%																							
Electric Charges Breakdown <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Conservation Incentive</td> <td style="width: 20%; text-align: right;">-\$8.26</td> </tr> <tr> <td>Generation</td> <td style="text-align: right;">26.99</td> </tr> <tr> <td>Transmission</td> <td style="text-align: right;">5.05</td> </tr> <tr> <td>Distribution</td> <td style="text-align: right;">4.86</td> </tr> <tr> <td>Public Purpose Programs</td> <td style="text-align: right;">1.96</td> </tr> <tr> <td>Nuclear Decommissioning</td> <td style="text-align: right;">0.27</td> </tr> <tr> <td>Competition Transition Charges (CTC)</td> <td style="text-align: right;">0.19</td> </tr> <tr> <td>Energy Cost Recovery Amount</td> <td style="text-align: right;">-1.40</td> </tr> <tr> <td>ECR Program</td> <td style="text-align: right;">-18.82</td> </tr> <tr> <td>Taxes and Other</td> <td style="text-align: right;">0.08</td> </tr> <tr> <td>Total Electric Charges</td> <td style="text-align: right;">\$26.05</td> </tr> </table>			Conservation Incentive	-\$8.26	Generation	26.99	Transmission	5.05	Distribution	4.86	Public Purpose Programs	1.96	Nuclear Decommissioning	0.27	Competition Transition Charges (CTC)	0.19	Energy Cost Recovery Amount	-1.40	ECR Program	-18.82	Taxes and Other	0.08	Total Electric Charges	\$26.05
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<small>*PG&E refers to Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. © 2015 Pacific Gas and Electric Company. All rights reserved. Please do not mark in box. For system use only.</small>																								
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>																								
Update My Information (English Only) <p>Please allow 1-2 billing cycles for changes to take effect</p> <p>Account Number: _____</p> <p>Change my mailing address to: _____</p> <p>_____ City _____ State _____ ZIP code _____</p> <p>Primary Phone # _____ Email _____</p>	Ways To Pay <ul style="list-style-type: none"> • Online at www.pge.com/waystopay • PG&E's Mobile Bill Pay • Automatic Payment Service: Sign up to authorize automatic payments sent from your bank account each month. • By mail: Send your payment along with this payment stub in the envelope provided. • By debit card, Visa, Mastercard or Discover: Call 1-877-704-8470 at any time. (Our independent service provider charges a fee for each transaction.) • At a PG&E payment center or local office: To find a payment center or local office near you, please visit www.pge.com or call 1-800-743-5000. Please bring a copy of your bill with you. 																							
Page 2 of 3																								

3. Service Agreement Page

 ENERGY STATEMENT www.pge.com/MyEnergy		Account No:					
		Statement Date:	02/22/2015				
		Due Date:	03/16/2015				
Details of Electric Charges							
01/22/2015 - 02/20/2015 (30 billing days)							
Service For:							
Service Agreement ID:							
Rate Schedule: E1 YH Residential Service							
Enrolled Programs: ECR							
01/22/2015 – 02/20/2015		Your Tier Usage	<table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr></table>	1	2	3	4
1	2	3	4				
Tier 1 Allowance	813.00 kWh	(30 days x 27.1 kWh/day)					
Tier 1 Usage	277.000000 kWh	@ \$0.16170	\$44.79				
ECR Program Details¹							
Program Charge	227.000000 kWh	@ \$0.01635	3.71				
Generation Credit	227.000000 kWh	@ -\$0.09926	-22.53				
Energy Commission Tax			0.08				
Total Electric Charges			\$ 26.05				
¹ Your total credit for participating in the ECR Program this period is -\$18.82 . This is included in the Total Electric Charges amount. If you have any additional questions, please visit our website at www.pge.com/greenoption .							
Service Information							
Meter #							
Current Meter Reading 17,624							
Prior Meter Reading 17,347							
Total Usage 277.000000 kWh							
Baseline Territory Y							
Heat Source Electric							
Serial X							
Rotating Outage Block 50							
Additional Messages							
Your ECR Program Impact: This bill period you have avoided 345 pounds of CO ₂ emissions. This is equivalent to 18 gallons of gasoline not consumed.							
Electric Usage This Period: 277.000000 kWh, 30 billing days							
							
Visit www.pge.com/MyEnergy for a detailed bill comparison.							
Page 3 of 3							

Attachment E
GTSR List of Reports

GTSR Reports

Program	Report	Content	Details
GTSR (GT and ECR)	Monthly Report	Capacity Data	Available capacity data at the most detailed level feasible.
		Advisory Board Activity Summary	Summary of monthly advisory group activities or consultation with Community Based Organizations, if any.
	Annual Report	Enrollment Report	Available capacity data at the most detailed level feasible.
		RPS Transfer	"One page summary tracking the amount and cost of generation transferred between the RPS and GTSR Program." ¹
		Revenue and Cost Summary	Summary of GTSR revenue and costs.
		Advisory Board Activity Summary	"Summary of advisory group or advising network activities, including information regarding frequency of meetings, topics discussed, and any other relevant information." ²
		Marketing Report	Refer to Advice Letter 4638-E section L.
		CCA Code of Conduct	Refer to Advice Letter 4638-E section I.
		Supplier Diversity	Payments made to Diverse Business Enterprises (DBEs) by GTSR suppliers.
		CARE Enrollment	"Summary of CARE enrollment figures including location; location of CARE customers in relation to areas eligible for EJ Projects and in relation to planned or existing EJ Projects." ³
		Fraud Reports	"Reports of fraud or misleading advertisements received through meetings with an advisory group of advising network." ⁴
		Customer Profile Information	"If customer profile information is available, summary of enrollment figures for low-income customers and subscribers who speak a language other than English at home." ⁵
	Annual Tier 2 Advice Letter	Rate Design	Summary of true-up of costs and revenue against charges and credits applied to GTSR customer bills. To include workpapers.
	Annual Report	Aggregated Consumption Data	"Aggregated consumption data for participating customers. GHG reductions and any other benefits

¹ D.15-01-051, p. 141.

² See id.

³ See id.

⁴ D.15-01-051, p. 142.

⁵ See id.

		for Municipalities	achieved by participating customers by municipality.” ⁶
ECR	Quarterly Report	ECR Contract Summary	<p>ECR contract information “including information on the diversity in ownership, location, and transaction structure.”⁷</p> <p>For each new PPA, the following documentation will also be included:</p> <ul style="list-style-type: none"> • “Copy of securities opinion and signed contract including rider. • Project-specific rate structure and illustrative rates. • Documentation of community interest. • Summary of ECR contracts to date including information on the diversity in ownership, location, and transaction structure.”⁸

⁶ See id.

⁷ See id.

⁸ D.15-01-051, pp. 142-143.

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

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