

PUBLIC UTILITIES COMMISSION
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June 10, 2019

Advice Letter 5527-E, 5527-E-A, 5527-E-B

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
San Francisco, CA 94177

Subject: Implementing the 2019 Energy Resource Recovery Account (ERRA) Forecast Revenue Requirement in Compliance with Decision 19-02-023

Dear Mr. Jacobson:

Energy Division approves Advice Letter 5527-E and 5527-E-B

Energy Division partially approves PG&E's advice letter 5527-E seeking to implement the 2019 Energy Resource Recovery Account (ERRA) Forecast Revenue Requirement in compliance with Decision 19-02-023, but rejects the Brown Power True-Up calculation presented in AL 5527-E. Energy Division rejects 5527-E-A which does not implement the Brown Power True-Up in compliance with Decision 19-02-023. Energy Division Approves 5527-E-B as filed. These approvals are effective June 1, 2019.

Sincerely,

A handwritten signature in black ink that reads 'Edward Randolph'.

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division

cc: Tim Lindl (tlindl@kfwlaw.com)
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Service List for R. 17-06-026

Appendix: Energy Division Technical Review and Findings

Background

On February 21, 2019 the California Public Utilities Commission (CPUC) issued Decision (D.) 19-02-023 approving Pacific Gas and Electric's (PG&E) 2019 Forecast Energy Resource Recovery Account Application (ERRA).

On April 18, 2019, PG&E filed AL 5527-E pursuant to D.19-02-023 implementing the 2019 ERRA Forecast revenue requirement and a true-up of the 2018 Power Charge Indifference Amount (PCIA) to reflect 2018 brown power revenues. Specifically, the CPUC adopted a 2019 electric procurement revenue requirement of \$2.9 billion, comprised of \$1.6 billion for ERRA, \$1 billion for PCIA (less the amount of the brown power true-up), \$80 million for ongoing CTC and \$131 million for Cost Allocation Mechanism (CAM).

Implementation of 2018 Brown Power True-Up

Ordering Paragraph (OP) 5 of D.19-02-023 ordered PG&E to include a true-up of the 2018 brown power market revenues for PCIA eligible resources. Specifically, the decision directed PG&E to calculate the indifference amount using the adopted 2018 workpapers from the 2018 Forecast ERRA proceeding and replace the brown power benchmark by applying 2018 actual market prices to actual PCIA-eligible generation deliveries.

In AL 5527-E PG&E provided a calculation of the 2018 brown power true-up that includes 2018 brown power costs and revenues, stating "OP 5 requires that a 2018 brown-power true-up be performed 'in accordance with D.18-10-019' (the 'PCIA Decision')." PG&E goes on to assert the "2019 ERRA Forecast Decision therefore ordered PG&E to implement a true-up consistent with the methodology adopted in D.18-10-019, which approved a full true-up of year-end brown power under- or over-collections, including generation resource cost and net California Independent System Operator (CAISO) market revenues, in vintage sub-accounts."

In 5527-E, PG&E derived the incremental 2018 indifference amounts on a per vintage basis to calculate 2018 refund rates using the top 100-hour revenue allocation and rate design, which was the rate design utilized in the calculation of 2018 PCIA rates. The resulting refund rates are designed to be added to the 2019 PCIA rates for the 2009-2017 vintage years. For the 2018 vintage, PG&E calculated the overpayment amount in 2018 by multiplying the refund rate by the actual sales for the vintage, effectively pro-rating the over-collected amount based on the actual amount of sales contributing to the 2018 over-collection. PG&E cites the ERRA Forecast Decision, where it, in turn, cites the PCIA decision stating a "true-up mechanism for the Brown Power Index to reflect actual values realized in market transactions for the subject year should be adopted to ensure that bundled and departing load customers pay equitably (i.e., pro rata) for non-RA, non-RPS PCIA-eligible resources."¹ PG&E reasons that a pro-rated methodology ensures that all customers equitably benefit from and are indifferent to the brown power true-up.

¹ 2019 ERRA Forecast Decision, p. 21 (citing D.19-02-023 at COL 16).

Protest of AL 5527-E

On May 8, 2019, a group of Community Choice Aggregators (Joint CCAs)² protested PG&E 5527-E. Joint CCAs protested 5527-E on the grounds that it 1) “Includes components and follows methodologies not authorized by D.19-02-023;” 2) “Commits material errors when calculating both the Incremental 2018 Indifference Amount and the resulting refund rate;” 3) “Results in unjust and unreasonable rates;” and 4) “Inappropriately requests the adoption of new policy in a Tier 2 advice letter process intended to address ‘ministerial’ actions for which hearings are not required.”³

In addressing 1) above, Joint CCAs note,

PG&E’s approach to calculating the revised 2018 Indifference Amount departs substantially from D.19-02-023 by including actual generation costs and actual quantities to calculate a revised version of Total Portfolio Costs. Second, PG&E uses actual quantities for calculating both the brown benchmark *and* the green benchmark. [...] Third, PG&E reports a cumulative brown power price for each vintage in an aggregated, non-resource specific manner. [...] As a result, resources included in the actual market price calculation for non-RPS power are from all resource types, including RPS resources.⁴

In sum, Joint CCAs argue PG&E’s approach to the revised indifference amount unjustly benefits bundled ratepayers at the expense of departed load customers.

Joint CCAs further maintain PG&E should not have included costs in its calculation of the revised indifference amount, noting that Energy Division “recently rejected the same argument from SCE.”⁵ Joint CCA’s argue that PG&E’s ERRA Decision likewise does not allow the Advice Letter’s approach.

The Joint CCAs protest PG&E’s pro-ration of the true-up to the 2018 vintage. In short, “PG&E did not apply the cumulative 2018 true-up rate to the 2018 vintage sales forecast as they did for all other vintages, PG&E multiplied the cumulative 2018 true-up rate by the ratio of actual 2018 vintage sales to forecasted 2018 vintage sales.”⁶ The Joint CCAs surmise that this treatment of the 2018 vintage is motivated, in part, by the timing of load departures during 2018. They argue that the pro-ration proposed by PG&E comprises new methodology that “should be rejected on both substantive and procedural grounds.”

PG&E cites Conclusion of Law (COL) 16 in D.18-10-019 which states “a true-up mechanism for the Brown Power Index to reflect actual values realized in market transactions for the subject year should be adopted to ensure that bundled and departing load customers pay equitably (i.e., pro rata) for [...] eligible resources.”⁷ Joint CCAs argue referencing COL 16 to justify allocating a refund rate to a specific vintage year is an improper application of COL 16 because the language included in COL16 was specifically in reference to the broader brown power true-up as a whole.

Finally, Joint CCAs posit that PG&E had a substantial amount of self-scheduled ancillary services that were excluded from the total portfolio value. Joint CCAs argue that excluding self-scheduled ancillary services subsidizes bundled customers at the expense of departed customers.

² I’d list CCAs here

³ Joint CCA Protest of PG&E AL 5527-E, p. 2.

⁴ *Id.* p.5-6.

⁵ *Id.* p.7.

⁶ *Id.* p. 11.

⁷ D.18-10-019 Conclusion of Law 16.

PG&E Reply to Joint CCA Protest of Advice Letter 5527-E

On May 15, 2019 PG&E replied to the protest of the Joint CCAs. In its reply, PG&E argues that both the PCIA decision and the ERRA Forecast decision authorize a true-up of both costs and revenues. PG&E suggests that the intent of both decisions was to minimize the cost shift between customers and improve accuracy by adopting a brown power true-up for 2019 and that excluding costs from the true-up would result in a less accurate version of the true-up being performed.

PG&E argues against the Joint CCA's assertion that it incorrectly calculated the green benchmark, stating that applying the 2018 market prices to actual PCIA-eligible deliveries for both the Brown Portfolio and the Green Portfolio when performing the brown power true-up is a necessary step. PG&E notes that, "consistent with OP 5, PG&E applied actual 2018 market prices to actual PCIA deliveries, which include resources in both the Brown Portfolio and the Green Portfolio."⁸

PG&E contests the Joint CCAs' protest of the 2018 vintage treatment, arguing that "PG&E's approach [...] is a fair and reasonable approach that minimizes cost shifting, while the Joint CCAs' approach would give a windfall to 2018 vintage departed load customers and inappropriately shift costs onto bundled customers. PG&E notes that vintages are not based on a calendar year, but rather a fiscal year beginning July 1 and ending June 30. Accordingly, PG&E calculated the overpayment amount for the 2018 departed load customers based on actual sales."⁹ PG&E argues that 2018 vintage customers only paid the PCIA during the last 6 months of the year and some may have only paid the PCIA for as little as one month depending on the date of departure.

Finally, PG&E responds to the Joint CCA protest of the self-scheduled of ancillary services being excluded from the calculation of the total portfolio value. While Joint CCAs assert that PG&E had a "substantial amount" of self-scheduled ancillary services, PG&E reports that just .17 percent of total awards were self-scheduled during the early part of 2018 for operational constraints on two units.

Supplemental 5527-E-A Implementing the 2018 Brown Power True-Up

On May 15, 2019, PG&E filed 5527-E-A, pursuant to an Energy Division request, to provide a version of the brown power true-up calculation that did not include an update of generation costs. In other words, the alternate calculation contains a revenue-only update to the PCIA calculation presented in AL 5527-E. The remainder of the calculation is unchanged from what is presented in AL 5527-E.

PG&E believes the methodology presented in the supplemental advice letter is contrary to both the PCIA Decision and the ERRA Forecast Decision, relying on page 141 of the PCIA Decision, which discusses a proposal in which "only the brown power costs are trued up." Further, PG&E claims that the PCIA Decision "adopts the [aforementioned] proposal."¹⁰ Therefore, PG&E argues, the brown power true-up must include a true up of generation costs.

Protest of PG&E 5527-E-A

On May 20, 2019, Joint CCAs protested PG&E supplemental 5527-E-A on the grounds that it 1) commits a mathematical error when applying line loss factors; 2) excludes Competition Transition Charge (CTC) components of the PCIA calculation; 3) the revised brown power true-up continues to pro-rate the 2018 vintage; and 4) PG&E continues to argue that both the PCIA Decision and the ERRA Forecast Decision permit and require the true-up of costs as part of the brown power true-up.

⁸ PG&E reply to Joint CCA Protest of AL 5527-E, p. 5.

⁹ *Id.* p. 7.

¹⁰ PG&E 5527-E-A, p. 3.

Joint CCAs contend that PG&E committed a mathematical error in its application of line loss factors to the actual generation amount. Joint CCAs argue that PG&E scales output at the generator down by a .94 multiplier to represent output at the meter. However, it then grosses the actual market value back up by a line loss factor of 1.06, which is mathematically incorrect. Joint CCAs request that PG&E file a supplement to correct this mathematical error.¹¹

Additionally, Joint CCAs protest the exclusion of CTC resources from the brown power true-up calculation. Joint CCAs argue that SCE did not exclude CTC from its calculation, nor does ordering paragraph 5 in PG&E's ERRA Forecast Decision permit or order the exclusion of CTC from the calculation of the PCIA. Ultimately, Joint CCAs argue that the exclusion of CTC from the 2018 brown power true up creates an inconsistency between the implementation of the ERRA Forecast Decision's ratemaking changes, which PG&E applied to the CTC, and the ERRA Forecast Decision's brown power true-up implementation, from which PG&E has excluded the CTC.¹²

Joint CCAs again protest PG&E's proposed pro-ration of the 2018 vintage. The protest includes a new argument against that the Commission has "never approved or even considered PG&E's approach previously, meaning its adoption is inappropriate for a Tier 2 Advice Letter process."¹³ Further, PG&E's proposed policy would improperly refund certain departed load customers (those who departed later in the year) at the expense of those who departed earlier in the year.

Joint CCAs note that contrary to PG&E's assertions that the true up should include costs, the ERRA Forecast decision cites to page 141 of the PCIA decision for the sole purpose of limiting the true up to brown power. Finally, Joint CCAs reiterate their argument that Energy Division already rejected a similar proposal from SCE.

PG&E Reply to Joint CCA Protest of 5527-E-A

On May 22, 2019 PG&E filed a timely reply to the Joint CCA protest of AL 5527-E-A. PG&E begins by responding "that its treatment of line losses and the CTC components of the indifference calculation in AL 5527-E-A is the same as its treatment in AL 5527-E, submitted on April 18, 2019. [...] Because Joint CCAs did not raise either issue in their initial protest, dated May 8, 2019, they have forfeited their right to raise them here."¹⁴

PG&E further argues that Energy Division should reject the Joint CCAs protest regarding Line Losses because PG&E complied with the standard workpaper template, and the arithmetic error is inherent to the equation. PG&E, in fact, concurs with Joint CCAs that there is a mismatch between the .94 and 1.06 line loss factors, but notes that the equation built into the standard workpapers requires PG&E to calculate line losses in this way. PG&E cites a strict reading of the 2019 ERRA Forecast decision to state that "the decision did not direct PG&E to apply 2018 market prices to CTC-eligible resources."¹⁵ PG&E argues that it complies with D.19-02-023 by focusing the true-up on PCIA-eligible resources, and removing CTC from the equation.

¹¹ Joint CCA Protest of PG&E 5527-E-A, p.4.

¹² *Id.* p. 6.

¹³ *Id.* p. 7.

¹⁴ PG&E Reply to Joint CCA Protest of PG&E 5527-E-A, p. 1-2.

¹⁵ *Id.* p.2-3.

Supplemental 5527-E-B Implementing the 2018 Brown Power True-Up

On June 5, 2019, PG&E filed supplemental 5527-E-B, pursuant to Energy Division's request, removing the *pro rata* adjustment from the 2018 vintage rate calculation. PG&E additionally included the actual 2019 generation rate ratios rather than the illustrative forecast ratios it had been using previously pursuant to standard PCIA calculation practice. Because PG&E expects that the 2019 ERRA Forecast will be implemented by July 1, PG&E has included these actual generation rate ratios. PG&E notes that no changes have been made to the calculation of the brown power indifference amount as presented in AL 5527-E-A.¹⁶ The supplement was not protested.

Discussion and Disposition of PG&E 5527-E, 5527-E-A, 5527-E-B

Pursuant to D.19-02-023, PG&E requests to implement the 2019 ERRA Forecast revenue requirement and a true-up of the 2018 Power Charge Indifference Amount (PCIA) to reflect 2018 brown power revenues. Specifically, the CPUC adopted a 2019 electric procurement revenue requirement of \$2.9 billion, comprised of \$1.6 billion for ERRA, \$1 billion for PCIA (less the amount of the brown power true-up), \$80 million for ongoing CTC and \$131 million for CAM. The ERRA Revenue Requirement portion of PG&E 5527-E was not protested and complies with the decision. The ERRA Revenue requirement proposed in 5527-E by PG&E is approved.

Far more complex is the issue of the 2018 Brown Power True-Up. In brief, the brown power true-up calculation presented in 5527-E violated D.19-02-023 most notably by including actual costs in the true-up calculation. Energy Division rejected a similar presentation of the brown power true-up calculation¹⁷ in its non-standard disposition letter approving Southern California Edison's (SCE) ERRA implementation Advice Letter 3972-E-A. PG&E was ordered to update the market value of its energy portfolio for 2018 but was neither permitted nor instructed to update any of its generation costs.

Because PG&E included actual costs in its initial calculation of the brown power true-up, Energy Division requested that PG&E supplement AL 5527-E on May 7, 2019, removing updates from the cost component of the PCIA brown power true up for 2018, and including only what D.19-02-023 ordered in OP 5. Energy Division specifically referenced SCE's AL 3972-E-A Appendix C as an example of a compliant methodology of the brown power true-up ordered in the ERRA Forecast decision.¹⁸ PG&E partially complied with Energy Division's request, providing a supplement, 5527-E-A that removed changes to the costs associated with PCIA-eligible resources.

In their initial protest of PG&E 5527-E, Joint CCA's primarily protested the update of generation costs in the calculation of the brown power true-up. As described above, Joint CCAs also protested the application of actual generation quantities to the 2018 vintage, which PG&E included on the grounds that "vintages are not based on the calendar year, but rather are based on the year starting on July 1 and through the following year until June 30."¹⁹ Customers in the 2018 vintage could not have been departed for a term longer than 6 months²⁰ during the record period and PG&E's application of actual generation quantities to the 2018 PCIA vintage was intended to ensure that customers paid their pro-rata share of the PCIA, pursuant to D.18-10-019 Conclusion of Law 16. Joint CCAs protested the pro-rata of the 2018 vintage on both substantive and procedural grounds.

¹⁶ PG&E 5527-E-B, p. 3.

¹⁷ SCE 3972-E-A Appendix B was rejected by Energy Division in the Non-Standard Disposition Letter Approving SCE 3972-E-A and Appendix C.

¹⁸ Ordering paragraph 5 of D.19-02-023 and D.19-02-024 are nearly identical in their instructions for conducting the brown power true-up.

¹⁹ PG&E reply to Joint CCA Protest of AL 5527-E, p. 7.

²⁰ ERRA runs the January 1 to December 31 calendar year.

Energy Division appreciates the commitment of both PG&E and the Joint CCAs to the pursuit of equity. PG&E's proposed pro-ration of the "current" vintage by applying actual quantities bears further discussion in Rulemaking (R.) 17-06-026 phase 2, which is ongoing. However, Energy Division agrees that the application of actual quantities to the 2018 vintage comprises new methodology and is not appropriate in a Tier 2 Advice Letter. Further, the Commission previously rejected PG&E's proposal to use vintage-specific billing determinants in D.19-02-023; applying actual generation quantities to the 2018 vintage directly violates D.19-02-023 OP 4 and Finding of Fact 9 which states the "calculation of the PCIA rate shall follow as it has in past ERRA proceedings by allocating the cumulative vintaged Indifference Amount to each rate group using the allocation factors followed by dividing by the forecasted system sales for the forecast year."²¹ Because PG&E elected to include the pro-ration of the 2018 vintage in its supplement, 5527-E-A, Energy Division requested an additional supplement removing the application of actual generation quantities and instructing PG&E to apply the complete 2018 vintage true-up rate to all customers in the vintage.

Two other issues present in PG&E 5527-E, 5527-E-A and 5527-E-B were protested by the joint CCAs: a mathematical error in the application of line losses to the indifference amount calculation and the removal of CTC eligible resources from the calculation in the total portfolio costs.

First, as PG&E describes in its response to the Joint CCA protest of 5527-E-A, the mismatch of the application of line losses occurs within the standard template. PG&E appropriately applies the .94 line loss adjustment to generation values at the generator to describe the amount of power delivered at the customer meter. Subsequently, PG&E applies the 1.06 line loss factor as ordered by D.17-08-026. Though there is a mismatch, and this likely constitutes an arithmetic error, PG&E has performed the calculation as has been ordered by the Commission. Energy Division strongly encourages both parties to address this line loss issue in R.17-06-026 Phase 2.

Finally, the Joint CCAs protested the removal of CTC from the calculation of the brown power true-up, contending that Energy Division ordered PG&E to reinsert CTC resources into the calculation of the brown power true-up. However, contrary to the Joint CCA assertion, Energy Division did not order PG&E to reinsert CTC. PG&E is correct that the Commission ordered it to use "actual PCIA-eligible generation deliveries and realized Ancillary Services revenues..." of which CTC is not. Energy Division appreciates PG&E's commitment to a strict read of the 2019 ERRA Forecast decision, and the importance of implementing what the Commission has ordered. Therefore, CTC should be removed from the calculation as PG&E has filed. Energy Division rejects Joint CCA's protest of the removal of CTC.

Therefore, Energy Division partially approves AL 5527-E where it discusses the 2019 ERRA Forecast Revenue Requirement effective June 1, 2019, but rejects the brown power true-up calculation presented in 5527-E. Energy Division rejects PG&E 5527-E-A; the calculation of the brown power true-up presented in the supplement does not comply with D.19-02-023. Energy Division approves AL 5527-E-B effective June 1, 2019, the calculation of the 2018 brown power true-up presented in that supplement complies with D.19-02-023.

²¹ D19-02-023, OP 4.



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April 18, 2019

Advice 5527-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Implementing the 2019 Energy Resource Recovery Account (ERRA) Forecast Revenue Requirement in Compliance with Decision 19-02-023

Purpose

Pacific Gas and Electric Company (PG&E) hereby submits its compliance advice letter pursuant to Decision (D.) 19-02-023 (the "2019 ERRA Forecast Decision"). PG&E requests approval to implement the 2019 ERRA Forecast revenue requirement, including an update to balancing accounts based on recorded end-of-year balances, the use of forecasted 2019 system sales to calculate the Ongoing Competitive Transition Charge (Ongoing CTC) and PCIA rates, and a true-up of the 2018 Power Charge Indifference Amount (PCIA) rates to reflect 2018 brown power costs and revenues.

Background

On February 21, 2019, the California Public Utilities Commission (Commission or CPUC) issued D.19-02-023 approving PG&E's 2019 ERRA Forecast Application (A.18-06-001), with modifications. In Ordering Paragraph (OP) 1 of the 2019 ERRA Forecast Decision, the Commission: (1) adopted a 2019 electric procurement revenue requirement of \$2,907.4 million, comprising of \$1,653.2 million for ERRA, \$80.3 million for the Ongoing CTC, \$1,042.9 million for the PCIA (less the amount of the brown power true-up), and \$131.1 million for the Cost Allocation Mechanism (CAM); and (2) approved PG&E's 2019 electric sales and peak load forecasts.

The 2019 ERRA Forecast Decision also required PG&E to make further modifications to its 2019 ERRA Forecast proposals. Specifically, OP 2 required PG&E to file a Tier 2 advice letter within 15 days, including tariff sheets, and OP 3 allows for updates to the balancing account balances consistent with the process used in the Annual Electric True-up (AET). OP 4 ordered PG&E to calculate PCIA rates using approved allocation factors and forecasted system sales. Finally, OP 5 ordered PG&E to true-up the brown power value included in the indifference calculation used to determine PCIA rates, commencing with the 2018 subject year.

In a March 12, 2019 letter to the Executive Director of the CPUC, PG&E requested a 30-day extension to comply with OPs 2 and 5 of the 2019 ERRRA Forecast Decision.¹ PG&E's request recognized that the Commission's direction to include a true-up of the 2018 forecast year for brown power required first-of-a-kind calculations ". . . in the absence of a pre-existing accounting method for trueing-up 2018 brown power costs and revenues."² On March 18, the Energy Division granted PG&E's extension request to file this Tier 2 advice letter on April 18, 2019.

Implementation of the Directives Ordered by D.19-02-023

The tariff sheets included herein incorporate the following compliance items ordered by the 2019 ERRRA Forecast Decision:

- **Balancing Account Updates (OP 3, D.19-02-023)**
Consistent with PG&E's Update to Testimony served on November 7, 2018 (Exhibit PGE-06) (November Update) and as authorized in OP 3, PG&E updates balancing account balances with recorded data through December 31, 2018, excluding a \$141.3 million ratemaking adjustment.^{3,4}
- **Forecasted System Sales (OP 4, D. 19-02-023)**
In compliance with OP 4, PG&E calculates the PCIA rate ". . . *by allocating the cumulative vintaged Indifference Amount to each rate group using the allocation factors followed by dividing by the forecasted system sales for the forecast year.*"
- **Brown Power True-Up (OP 5, D.19-02-023)**
PG&E's calculation of the PCIA rate includes a true-up of vintaged 2018 brown power costs and revenues in compliance with the 2019 ERRRA Forecast Decision. Specifically, OP 5 states "*The 2019 [PCIA] forecast shall include a true-up of the 2018 forecast year for brown power. Pacific Gas and Electric Company is ordered to calculate the true-up by applying actual 2018 market prices to actual PCIA-eligible generation deliveries and realized Ancillary Services revenues in accordance with D.18-10-019....*".

¹ PG&E's March 12, 2019 Letter to CPUC Executive Director Alice Stebbins (Extension Request) is available at:

<http://pgera.azurewebsites.net/Regulation/ValidateDocAccess?docID=556196>

² *Id.*

³ PG&E's 2019 Annual Electric True-Up Advice Letters 5376-E/5376-E-A/5376-E-B were approved by the Commission on April 5, 2019, and stated that the balancing account amortizations included in the rates and tariffs are based on December 31, 2018 recorded balances.

⁴ Conclusion of Law (COL) 3 of D.19-02-023 stated that "*It is reasonable to address misallocated CAM related costs in the 2018 ERRRA compliance and 2020 ERRRA forecast proceedings.*"

Implementation of OPs 3, 4, and 5 is described in detail below. The revenue requirement summary table shown on page 2 of the 2019 ERRA Forecast Decision that conforms to PG&E's implementation of the 2019 ERRA Forecast Decision is presented in Appendix A.

1) Balancing Account Updates (OP 3, D.19-02-023)

The table below shows PG&E's recorded 2018 year-end ERRA, Modified Transition Cost Balancing Account (MTCBA), and New System Generation Balancing Account (NSGBA) balances included in the rates/tariff calculations of this advice letter.⁵

**TABLE 1
BALANCING ACCOUNT UPDATES**

Line No.	Balancing Accounts (In \$'000)	Recorded (over)/under collected balances as at December 2018 (A)	Rate-making Adjustment to the Recorded June 2018 Prior Period Adjustments (B)	Recorded (over)/under collected balances for ratemaking as at December 2018 (C) = (A) + (B)	Revenue Franchise Fees and Uncollectibles (RF&U) of 0.011349 (D)	Recorded (over)/under collected balances for ratemaking with RF&U, as at December 2018 (E) = (C) + (D)
1	ERRA	(\$53,109)	\$141,267	\$88,158	\$1,001	\$89,158
2	MTCBA	18,103	(817)	17,286	196	17,482
3	NSGBA	118,945	(140,450)	(21,505)	(244)	(21,749)
4	Total	\$83,939	\$0	\$83,939	\$953	\$84,891

2) Forecasted System Sales (OP 4, D.19-02-023)

Consistent with its November Update, PG&E continues to allocate the vintaged PCIA revenue requirements as authorized in D.18-10-019 using approved generation rate allocation factors.⁶ PG&E's generation rate allocation factors are consistent with PG&E's most recent 2017 General Rate Case (GRC) Application (A.16-06-013), Phase II Revenue Allocation Settlement, and D.18-01-013.⁷ D.18-01-013 adopted generation rates and did not adopt specific generation revenue allocation factors. Allocation

⁵ This table was first presented in the November Update. Column A is updated to reflect the recorded balances as at December 31, 2018. The remaining columns are re-alphabetized accordingly.

⁶ D.18-10-019 was issued in the PCIA Rulemaking (R.17-06-026), Phase 1, Track 2. See OP 4.

⁷ The rate design adopted for the PCIA will also apply to the Ongoing CTC rate as well given the total portfolio calculation methodology for calculating the indifference amount.

factors, however, can be derived based on the ratio of the class average generation rate to the system average generation rate.⁸

Table 2 below shows the generation allocation factors that are derived from the GRC Phase II generation rates and are the ratio of the average generation rates by customer class to the average system generation rate.

**TABLE 2
GENERATION ALLOCATION FACTORS
USED IN CTC & PCIA RATE DESIGN**

<u>Rate Group</u>	<u>2019 Generation Rate Ratio (2017 GRC)</u>
Residential	105.20%
Small L&P	102.99%
Medium L&P	107.71%
E19	99.01%
Streetlights	84.63%
Standby	76.83%
Agriculture	91.20%
E20 T (Excluding FPP)	84.15%
E20 P (Excluding FPP)	89.93%
E20 S (Excluding FPP)	<u>94.38%</u>
Average	100.00%

These allocation factors are used in the rate design for the Ongoing CTC and PCIA rates.

First, PG&E calculates a system average PCIA rate by vintage by dividing the vintaged indifference amount by system sales. For the Ongoing CTC and PCIA, system sales exclude: (1) Federal Preference Power (FPP) customers; and (2) certain other customers groups that have negotiated buyout settlements agreements related to their Ongoing CTC obligations.⁹

⁸ These derived allocation factors were also used in PG&E's Advice Letters 5376-E-A and 5376-E-B, approved by the CPUC on April 5, 2019, for electric rates implemented on March 1, 2019.

⁹ Customer groups exempt from the Ongoing CTC and PCIA include BART, certain municipal departing load customers, New WAPA departing load, and split-wheeling departing load. PG&E's pre-2009 DA customers are included in the system load used to calculate the Ongoing CTC rate and vintage PCIA rates.

Once the vintage specific system average PCIA rate is determined, the rate is multiplied by the generation allocation factors to derive the class specific PCIA rates, by vintage.

Table 3 below shows 2019 Forecast System Sales used in the denominator of the vintaged PCIA rate calculations.

**TABLE 3
FORECAST SYSTEM SALES
BILLING DETERMINANTS
USED IN PCIA RATE DESIGN**

<u>Rate Group</u>	<u>2019 System Sales (CTC Applicable)</u>
Residential	28,203,421,370
Small L&P	8,232,980,247
Medium L&P	8,942,382,641
E19	13,753,153,372
Streetlights	261,593,455
Standby	350,514,014
Agriculture	5,625,098,068
E20 T (Excluding FPP)	5,549,919,817
E20 P (Excluding FPP)	7,793,806,367
E20 S (Excluding FPP)	2,406,910,795
Total	81,119,780,144

3) Brown Power True-up (OP 5, D.19-02-023)

OP 5 requires that a 2018 brown-power true-up be performed “in accordance with D.18-10-019” (the “PCIA Decision”). The 2019 ERRA Forecast Decision therefore ordered PG&E to implement a true-up consistent with the methodology adopted in D.18-10-019, which approved a full true-up of year-end brown power under- or over-collections, including generation resource cost and net California Independent System Operator (CAISO) market revenues, in vintaged sub-accounts.¹⁰

As described above, PG&E requested and received an extension of time from Energy Division to perform the calculations required to true-up 2018 brown power costs and revenues in accordance with the methodology approved by the PCIA Decision. To perform such a true-up requires PG&E to consider vintaged brown power costs and revenues. In its Extension Request, PG&E noted that, in the absence of the Portfolio Allocation Balancing Account (PABA) established in D.18-10-019, it needed to account for actual CAISO market transactions for PCIA-eligible resources and develop an

¹⁰ See D.18-10-019, OP 7 at 161.

auditable process for accumulating the CAISO transaction information (costs and revenues) on a vintage basis in order to true-up 2018 brown power costs and revenues.¹¹

On pages 21 and 22 of the 2019 ERRA Forecast Decision (footnotes omitted), the Commission described the process PG&E is to use to implement the brown power true-up, stating that:

“The utilities are ordered to calculate the true-up by replacing the forecasted 2018 brown power benchmark in the 2018 Forecast ERRA case by applying actual 2018 market prices to actual PCIA-eligible generation deliveries and realized Ancillary Services revenues^[1] in accordance with D.18-10-019^[1]. Subsequently, the Renewable benchmark will be updated per the Commission-approved formula when adjusting the Brown Power Benchmark. The difference between the total indifference amount in the 2018 Forecast ERRA case and that calculated with the 2018 brown power true-up shall be reflected in rates in a manner compliant with the PCIA workpapers filed in this proceeding.”

Consistent with Commission direction, PG&E implemented the brown power true-up as follows:

- a) The starting point of the 2018 brown power true-up is the 2018 PCIA Standard Template used to calculate the \$632 million PCIA revenue requirement authorized by OP 1 of D.18-01-009 (the “2018 ERRA Forecast Decision”). This Template was modified to remove the CTC values since the true up applies to PCIA-eligible generation.¹² See Appendix B, Exhibit 1. (The indifference amount calculated in this template is used in Appendix B, Exhibit 4, which calculates the change in the indifference amount resulting from the true up.)
- b) Consistent with the explicit instructions provided in the 2019 ERRA Forecast Decision replicated above, PG&E replaced the forecasted 2018 brown power benchmark with benchmarks derived from actual CAISO 2018 recorded net revenues and related energy for all PCIA-eligible resources. The brown power benchmarks applicable to each vintage were calculated by aggregating resource-

¹¹ OP 4 of D.19-02-023 acknowledges that the Portfolio Allocation Balancing Account established in D.18-10-019 is not yet approved, which is still the case as of the date of this advice letter submission.

¹² See 2019 ERRA Forecast Decision, OP 5, p. 34.

specific CAISO revenues/charges (net revenue) by vintage and then dividing those values by each vintage's recorded generation.¹³ See Appendix B, Exhibit 2.

- c) The Commission-approved formula for calculating the Renewable Benchmark was used to update the vintage-specific renewable benchmarks reflecting the actual vintaged brown power benchmarks. See Appendix B, Exhibit 3.
- d) The forecasted portfolio costs and generation amounts used in the 2018 PCIA workpaper template were replaced with recorded 2018 resource cost and generation amounts, consistent with the 2019 ERRA Forecast Decision's order that PG&E perform the brown power true-up consistent with the PCIA Decision. The generation amounts in the true up are consistent with both the actual CAISO revenues and the resource costs. See Appendix B, Exhibit 4.
- e) The market value of the PCIA-eligible portfolio was calculated by multiplying the vintaged brown power and renewable benchmarks described in (b) and (c) with the recorded generation referenced in (d).
- f) An updated set of indifference amounts were calculated by subtracting the portfolio market value described in (e) from the recorded portfolio costs described in (d).
- g) The final true-up adjustment amounts were calculated as the difference between the true-up indifference amounts described in (f) and the original 2018 indifference amounts authorized in the 2018 ERRA Forecast Decision. The incremental indifference change by vintage are translated into a "refund rate" by vintage, described in the Rate Implementation section below.

As shown in (a)-(g) and as required by OP 5, PG&E performed a full 2018 brown power true-up in accordance with the PCIA Decision and the directives on pages 21 and 22 of the 2019 ERRA Forecast Decision. PG&E's brown power true-up also meets the intent established in the PCIA Decision that "bundled and departing load customers pay equally for the above-market costs of PCIA-eligible resources."¹⁴

Rate Implementation

First, PG&E discusses the 2018 brown power true-up rate implementation that results in 2018 PCIA refund rates, by vintage, that will be added to the 2019 PCIA rates. Next,

¹³ The CAISO revenues/charges used in the derivation of the indices include day-ahead and real time energy revenues, ancillary service revenues, grid management charges (GMC), and various other resource-specific charge categories.

¹⁴ D.18-10-019, p.3.

PG&E discusses the 2019 PCIA rate design details, which are combined with the 2018 PCIA refund rates resulting in the final 2019 PCIA rates, by vintage.

1) 2018 Brown Power True-Up Refund Rates

PG&E derived the incremental 2018 indifference amounts, by vintage, based on the difference between the original 2018 indifference results and the revised indifference amounts that include the full 2018 brown power true-up. The incremental indifference results are used to calculate 2018 PCIA “refund rates” using the top 100-hour revenue allocation and rate design, which was approved for 2018. The resulting refund rates are designed to be added to the 2019 PCIA rates for vintages 2009 through 2017.

For the 2018 vintage load, the overpayment amount in 2018 is determined by multiplying the refund rate times the actual sales for this vintage. The resulting PCIA overpayment is used to derive the applicable refund rate. The adjustment to the 2018 vintage refund rate ensures an equitable brown power true-up, consistent with Commission direction that “a true-up mechanism for the brown power index [to] reflect actual values realized in market transactions for the subject year [should] be adopted to ensure that bundled and departing load customers pay equitably (i.e., pro rata) for non-RA, non-RPS PCIA-eligible resources.”¹⁵ Consistent with this direction, the 2018 vintage brown power true-up is allocated *pro rata* based on the amount of customer sales contributing to the 2018 over-collection. This methodology ensures that all customers equitably benefit from and are indifferent to the brown power true-up. Applying the full adjustment to all 2018 vintage customers would lead to an inequitable outcome as certain 2018 vintage sales were not subject to a 2018 PCIA rate for the entire year.

The amount of the PCIA refund related to the brown power true-up is about \$36 million.

2) 2019 PCIA Rates

As described above, the 2019 ERRA Forecast Decision did not approve PG&E’s proposal to use vintage-specific billing determinants to set PCIA rates and ordered PG&E to use system-level billing determinants. PG&E therefore incorporates system-level billing determinants in its standard workpapers. Specifically, PG&E updated the “Indifference Rate Calculation” tab of PG&E’s standard workpapers to apply system-level billing determinants to determine the PCIA rates applicable to each vintage.

Traditionally, the system-level billing determinants used in the PCIA rate design were symmetrical with the billing determinants used in the Ongoing CTC rate design. As described above, exempt sales excluded from system sales include: (1) FPP customers (e.g., Bay Area Rapid Transit) and (2) other customer groups that negotiated buyout

¹⁵ See 2019 ERRA Forecast Decision, pp. 21 (citing D.19-02-023 at COL 16).

settlement agreements related to Ongoing CTC obligations. Table 3 above presents the system-level billing determinants used in the PCIA rate design.

The sum of the resulting 2019 PCIA rates and the 2018 brown power true-up refund rates by vintage and by class are the final 2019 PCIA rates. Workpapers supporting the final 2019 vintaged PCIA rate design are included in Appendix B.

All other rate calculations remain unchanged from that authorized in the rate design and revenue allocation methodology for rate changes between Phase 2 GRCs established in D.15-08-005; and the glidepath residential rate ratios approved by D.15-07-001 and set forth in PG&E's Advice 5465-E.

Pro Forma Tariff Sheets of Total Illustrative Rates

In compliance with OP 2 of the 2019 ERRA Forecast Decision, PG&E has attached as Appendix E pro forma tariffs showing illustrative total rates consistent with the ERRA revenue requirements approved in the decision. To present total rates based on the best available information, PG&E has also incorporated the revenue requirements it expects to implement on May 1, 2019, so that the illustrative rates herein will better reflect the projected rates PG&E when PG&E ultimately implements the ERRA decision (expected on July 1, 2019).

In order to produce the required tariffs in time for this filing, PG&E was unable to incorporate the revenue neutral rate design changes approved for rate changes between general rate cases in D.18-08-013 that PG&E will be implementing on May 1, 2019.¹⁶ Accordingly, although the ERRA and PCIA rates are final and will not change upon implementation, the *total rates* provided herein are illustrative both because they lack the required changes from D.18-08-013 and because there could be other revenue requirement or rate changes that are approved between now and the future implementation date that PG&E would seek to consolidate.

PG&E intends to submit a complete set of rate tariffs to consolidate all electric rate changes when it implements ERRA. At that time, PG&E will revise each rate schedule to show the consolidated rates.

¹⁶ PG&E is finalizing the May 1, 2019 rate changes and will be submitting the advice filing implementing those changes soon after this submittal.

Exhibits Accompanying this Advice Letter

In support of this advice letter, PG&E provides the following additional information:

Appendix A: Conforming 2019 Revenue Requirements.

Appendix B: Calculation of the change in PCIA indifference amounts by vintage resulting from the 2018 brown power true up. Appendix B has four exhibits. See items (a)-(d) above.

Appendix C: Calculation of the final 2019 PCIA rates as described above.

Appendix D: Comparison of the proposed 2019 average generation rates for bundled customers, ongoing CTC rates, PCIA rates, and new system generation charge rates with current 2018 rates.

Appendix E: Pro Forma Tariff Sheets of Total Illustrative Rates.

Protests

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than May 8, 2019, which is 20 days after the date of this submittal. Protests must be submitted to:

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

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

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

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

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
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

Due to the delay of the 2019 ERRR Forecast Decision, PG&E's current rates do not include the revenue requirements and sales forecast adopted in the decision. The Commission's disposition letter of PG&E's 2019 AET advice letters¹⁷ recognized that PG&E should not implement the 2019 sales forecast and 2019 ERRR and PCIA revenue requirements until after this compliance advice letter is approved. Therefore, PG&E respectfully requests that this Tier 2 advice letter be effective by no later than June 1, 2019, in order to be consolidated with other potential PG&E rate changes on July 1, 2019.¹⁸

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.18-06-001. 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-

¹⁷ On April 5, 2019, the Commission issued a disposition letter approving PG&E's Advice 5376-E, Advice 5376-E-A, and Advice 5376-E-B. The disposition letter stated that "PG&E should continue to use the 2018 sales forecast until the ERRR brown power true-up advice letter is approved."

¹⁸ PG&E notes that if there are other revenue requirement or rate changes not known at this time but approved prior to the time PG&E implements the 2019 ERRR, the final rates shown in the accompanying pro forma tariffs may also change.

2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/

Erik Jacobson
Director, Regulatory Relations

Attachments

cc: Service List A.18-06-001



ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Yvonne Yang

Phone #: (415)973-2094

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: Yvonne.Yang@pge.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 5527-E

Tier Designation: 2

Subject of AL: Implementing the 2019 Energy Resource Recovery Account (ERRA) Forecast Revenue Requirement in Compliance with Decision 19-02-023

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: Decision 19-02-023

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:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 6/1/19

No. of tariff sheets: N/A

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:

Service affected and changes proposed¹: N/A

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

¹Discuss in AL if more space is needed.

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

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

Name: Erik Jacobson, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Advice 5527-E
April 18, 2019

Appendix A

Conforming 2019 Revenue Requirements

Line No.	Revenue Requirements	Total 2019 Revenue Requirements per D.19-02-023, page 3	Change in the Year-End 2018 Balance (Note 1)	2018 Brown Power True-Up	Total Revised 2019 Revenue Requirements
		(A)	(B)	(C)	(D) = (A)+(B)+(C)
1	ERRA	\$1,653,157,236	\$89,666,577	\$36,326,825	\$1,779,150,638
2	Ongoing CTC (i.e., MTCBA)	80,291,253	\$4,596,681		84,887,935
3	CAM Charge (i.e. NSGBA)	131,073,358	\$4,617,373		135,690,731
4	PCIA	1,042,892,751		(36,326,825)	1,006,565,926
5	Total	\$2,907,414,598	\$98,880,631	\$0	\$3,006,295,230

Note 1: Change in the Year-End 2018 Balance

The amounts in Column B reflects the change in the year end balances from the November 2018 update of the 2019 ERRA Forecast Application (A.18-06-001) to the December 31, 2018 recorded balances. ¹

¹ See Column E of Table 1 (Balancing Account Updates) in this advice letter.

Appendix B

Exhibit 1 – 2018 Indifference Amount Calculation

**Exhibit 2 – Calculation of Actual 2018 Brown Power
Benchmark by Vintage (2009-2018)**

**Exhibit 3 – Calculation of Updated Renewable
Benchmark by Vintage (2009-2018)**

**Exhibit 4 – 2018 True-Up Indifference Adjustment
Calculation**

**Appendix B, Exhibit 1
Pacific Gas and Electric Company
2018 Filed Indifference Amount Calculation (With CTC Costs, Energy and Capacity Removed From Cumulative PCIA Vintages)¹**

Line No.	Description	Unit	CTC	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cost of Portfolio													
1	Total Portfolio Cost	\$000	\$250,757	\$4,489,366	\$4,957,703	\$5,137,709	\$5,306,117	\$5,335,014	\$5,349,593	\$5,361,160	\$5,383,282	\$5,384,740	\$5,384,740
2	Total Portfolio Cost Less Ongoing-CTC ²	\$000		\$4,238,609	\$4,706,946	\$4,886,952	\$5,055,360	\$5,084,257	\$5,098,836	\$5,110,403	\$5,132,525	\$5,133,983	\$5,133,983
3	Supply At Customer Meter	GWh	3,116	48,201	51,117	52,645	54,336	54,688	54,707	55,059	55,279	55,295	55,295
4	Supply At Customer Meter Less CTC ²	GWh		45,085	48,001	49,529	51,221	51,572	51,591	51,943	52,163	52,179	52,179
5	Renewable Supply at Customer Meter	GWh	278	11,038	15,210	16,466	18,008	18,359	18,378	18,693	18,913	18,929	18,929
6	Renewable Supply at Customer Meter less Ongoing CTC ²	GWh		10,759	14,931	16,188	17,729	18,081	18,100	18,415	18,635	18,650	18,650
7	Average Monthly Net Qualifying Capacity	MW	636	10,688	11,006	11,313	11,490	11,517	12,074	12,091	12,157	12,157	12,157
8	Average Monthly Net Qualifying Capacity less CTC ²	MW		10,052	10,370	10,677	10,854	10,881	11,438	11,455	11,521	11,521	11,521
9	Portfolio Unit Cost	\$/MWh	\$80.48	\$93.14	\$96.99	\$97.59	\$97.65	\$97.55	\$97.79	\$97.37	\$97.38	\$97.38	\$97.38
Market Value of Portfolio													
11	Market Value of Brown Portfolio												
12	Non-Renewable Energy	GWh	2,837	34,326	33,070	33,491	33,491	33,491	33,491	33,529	33,529	33,529	33,529
13	Platt's Weighted Price (Brown Benchmark)	\$/MWh	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77	\$33.77
14	Market Value of Brown Portfolio	\$000	\$95,801	\$1,159,077	\$1,116,662	\$1,125,825	\$1,130,895	\$1,130,895	\$1,130,895	\$1,132,159	\$1,132,159	\$1,132,159	\$1,132,159
15	Market Value of Green Portfolio												
16	Renewable Energy	GWh	278	10,759	14,931	16,188	17,729	18,081	18,100	18,415	18,635	18,650	18,650
17	Weighted Average Green Benchmark	\$/MWh	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93	\$57.93
18	Market Value of Green Portfolio	\$000	\$16,132	\$823,286	\$864,990	\$937,780	\$1,027,082	\$1,047,431	\$1,048,536	\$1,066,776	\$1,079,524	\$1,080,441	\$1,080,441
19	Capacity Adder												
20	Average Monthly NQC	MW	636	10,052	10,370	10,677	10,854	10,881	11,438	11,455	11,521	11,521	11,521
21	Capacity Value per Resolution E-4475	\$/KW-Year	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27
22	Market Value of Capacity	\$000	\$37,061	\$585,722	\$604,274	\$622,143	\$632,438	\$634,033	\$666,484	\$667,483	\$671,322	\$671,348	\$671,348
23	Portfolio Market Value	\$000	\$148,994	\$2,368,085	\$2,585,926	\$2,685,748	\$2,790,414	\$2,812,359	\$2,845,915	\$2,866,418	\$2,883,006	\$2,883,949	\$2,883,949
24	Line Loss Adjusted Portfolio Market value	\$000	\$157,934	\$2,510,170	\$2,741,081	\$2,846,893	\$2,957,839	\$2,981,101	\$3,016,670	\$3,038,403	\$3,055,986	\$3,056,986	\$3,056,986
25	Indifference Amount												
26	Portfolio Total Cost	\$000	\$250,757	\$4,238,609	\$4,706,946	\$4,886,952	\$5,055,360	\$5,084,257	\$5,098,836	\$5,110,403	\$5,132,525	\$5,133,983	\$5,133,983
27	Portfolio Unit Market Value	\$000	\$157,934	\$2,510,170	\$2,741,081	\$2,846,893	\$2,957,839	\$2,981,101	\$3,016,670	\$3,038,403	\$3,055,986	\$3,056,986	\$3,056,986
28	Total Indifference Amount (Unadjusted)	\$000	\$92,823	\$1,728,439	\$1,965,865	\$2,040,059	\$2,097,521	\$2,103,156	\$2,082,166	\$2,072,000	\$2,076,539	\$2,076,997	\$2,076,997
29	DWR Revenue Requirement	\$000											
30	One-Time Adjustments (if applicable)	\$000											
31	Carry Over Negative Indifference (if applicable)	\$000											
32	Adjusted Indifference Amounts	\$000	\$92,823	\$1,728,439	\$1,965,865	\$2,040,059	\$2,097,521	\$2,103,156	\$2,082,166	\$2,072,000	\$2,076,539	\$2,076,997	\$2,076,997
33	Adjusted Indifference Amounts w/ ff&u	\$000	\$93,881	\$1,748,124	\$1,988,254	\$2,063,293	\$2,121,410	\$2,127,109	\$2,105,880	\$2,095,598	\$2,100,188	\$2,100,652	\$2,100,652

Notes

¹ The table corresponds to the Indifference calculation tab in the 2018 PCIA Standard Template used to calculate 2018 PCIA rates (D.18-01-009).

² The CTC data are removed from the cumulative PCIA vintage amounts because the 2018 brown power true-up only applies to PCIA resources. The CTC adjustments are shown in red font.

Appendix B, Exhibit 2
Pacific Gas and Electric Company
Calculation of Actual 2018 Brown Power Benchmark by Vintage (2009 - 2018)

Line No.	Description	Source/Calculation	PCIA Vintages										Total
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
1	PCIA Portfolio CAISO Net Revenues (\$000) ¹	2018 CAISO Actuals	\$1,889,052	\$92,323	\$42,536	\$52,240	\$10,838	\$416	\$8,896	\$5,714	\$512	\$0	\$2,102,527
2	PCIA Portfolio CAISO Generation (GWh) ²	2018 CAISO Actuals	44,947	2,968	1,088	1,632	346	12	342	184	16	0	51,536
3	Cumulative CAISO Net Revenues (\$000)	Cumulative Sum of Line 1	\$1,889,052	\$1,981,375	\$2,023,911	\$2,076,150	\$2,086,988	\$2,087,405	\$2,096,300	\$2,102,015	\$2,102,527	\$2,102,527	
4	Cumulative Generation (GWh)	Cumulative Sum of Line 2	44,947	47,915	49,004	50,636	50,982	50,995	51,336	51,520	51,536	51,536	
5	Actual 2018 Brown Power Benchmark (\$/MWh)	Line 5 = Line 3 / Line 4	\$42.03	\$41.35	\$41.30	\$41.00	\$40.94	\$40.93	\$40.83	\$40.80	\$40.80	\$40.80	

Notes

¹ Actual 2018 resource-specific CAISO net revenues for all PCIA resources by vintage.

² Actual 2018 generation delivered to the CAISO from all PCIA resources by vintage.

Appendix B, Exhibit 3
Pacific Gas and Electric Company
Calculation of Updated Renewable Benchmark by Vintage (2009 - 2018)¹

Indifference Calculation Inputs and Sources 2018 ERRR Forecast		Updated Renewable Benchmark (\$/MWh) PCIA Vintages											
Line No.	Description	Source of Data	Value	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	On Peak NP 15 Price (\$/MWh)	Platt's on October ²											
2	Off Peak NP 15 Price (\$/MWh)	Platt's on October ²											
3	On Peak Load Weight (%)	2016 Recorded Load - On Peak Hours	61.1%										
4	Off Peak Load Weight (%)	2016 Recorded Load - Off Peak Hours	38.9%										
5	Base Load Weighted Average Price (\$/MWh)	Line 1 x Line 3 + Line 2 x Line 4	\$33.77										
6	IOU Green Benchmark (\$/MWh)	Energy Division Data (See Below)	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47	\$61.47
7	IOU RPS Premium (\$/MWh)	Line 6 - Line 5	\$27.70	\$19.44	\$20.12	\$20.17	\$20.47	\$20.53	\$20.54	\$20.64	\$20.67	\$20.67	\$20.67
8	DOE Renewable Adder (\$/MWh)	Department of Energy Website -- Advice 515	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64	\$16.64
9	Weighted Average Renewable Premium (\$/MWh)	68% x Line 7 + 32% x Line 8	\$24.16	\$18.55	\$19.01	\$19.04	\$19.24	\$19.29	\$19.29	\$19.36	\$19.38	\$19.38	\$19.38
10	Weighted Average Renewable Benchmark (\$/MWh)	Line 9 + Line 5	\$57.93	\$60.57	\$60.36	\$60.34	\$60.25	\$60.23	\$60.22	\$60.19	\$60.18	\$60.18	\$60.18
11	Capacity Benchmark (\$/kW-Year)	2015 CEC Report -- Advice 5151-E	\$58.27										
12	6% Line Loss Adjustment Factor	Resolution E-4475	1.060										
IOU Green Benchmark -- As Calculated by Energy Division													
13	Total IOU Renewable Resource Cost (\$000)	2018 ERRR Forecast	\$417,124										
14	Total IOU Renewable Resource Capacity (MW)	2018 ERRR Forecast	493										
15	Total IOU Renewable Resource Capacity Value (\$000)	Line 14 x \$58.27	\$28,741										
16	Revised IOU Renewable Resource Cost	Line 13 - Line 15	\$388,383										
17	Total IOU Renewable Energy (MWh)	2018 ERRR Forecast	6,318,256										
18	IOU Green Benchmark	Line 16 x 1000 / Line 17	\$61.47										
19	1.06 x Load @ Customer Retail Meter=Load @ Generator (due to losses)												

Note

¹ PG&E used the 2018 PCIA Standard Template input form modified to input the actual brown power benchmarks and calculate the updated renewable benchmarks by vintage.
² Confidential Platt's forward prices are available in the original 2018 PCIA Standard Template.

**Appendix B, Exhibit 4
Pacific Gas and Electric Company
2018 True-up Indifference Adjustment Calculation**

Line No.	Description	Unit	CTC	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cost of Portfolio													
1	Total Portfolio Cost ¹	\$000	\$250,757	\$4,517,912	\$5,042,832	\$5,220,150	\$5,382,554	\$5,410,858	\$5,416,268	\$5,427,078	\$5,438,147	\$5,438,710	\$5,438,710
2	Total Portfolio Cost Less Ongoing-CTC ²	\$000		\$4,267,155	\$4,792,075	\$4,969,393	\$5,131,797	\$5,160,101	\$5,165,511	\$5,176,321	\$5,187,390	\$5,187,953	\$5,187,953
3	Supply At Customer Meter ¹	GWh	3,116	45,554	48,740	50,121	51,664	51,997	52,010	52,331	52,511	52,518	52,518
4	Supply At Customer Meter Less CTC ²	GWh		42,438	45,625	47,006	48,548	48,882	48,894	49,216	49,396	49,402	49,402
5	Renewable Supply at Customer Meter ¹	GWh	278	10,547	15,008	16,343	17,769	18,103	18,115	18,418	18,598	18,604	18,604
6	Renewable Supply at Customer Meter less Ongoing CTC ²	GWh		10,268	14,729	16,065	17,491	17,824	17,837	18,139	18,319	18,325	18,325
7	Average Monthly Net Qualifying Capacity	MW	636	10,688	11,006	11,313	11,490	11,517	12,074	12,091	12,157	12,157	12,157
8	Average Monthly Net Qualifying Capacity less CTC ²	MW		10,052	10,370	10,677	10,854	10,881	11,438	11,455	11,521	11,521	11,521
9	Portfolio Unit Cost	\$/MWh	\$80.48	\$99.18	\$103.46	\$104.15	\$104.18	\$104.06	\$104.14	\$103.71	\$103.56	\$103.56	\$103.56
Market Value of Portfolio													
10	Market Value of Portfolio												
11	Market Value of Brown Portfolio												
12	Non-Renewable Energy	GWh	2,837	32,170	30,895	30,941	31,058	31,058	31,058	31,077	31,077	31,077	31,077
13	Actual 2018 Brown Power Benchmark ¹	\$/MWh	\$33.77	\$42.03	\$41.35	\$41.30	\$41.00	\$40.94	\$40.93	\$40.83	\$40.80	\$40.80	\$40.80
14	Market Value of Brown Portfolio	\$000	\$95,801	\$1,352,047	\$1,277,579	\$1,277,903	\$1,273,408	\$1,271,360	\$1,271,306	\$1,269,004	\$1,267,931	\$1,267,852	\$1,267,852
15	Market Value of Green Portfolio												
16	Renewable Energy	GWh	278	10,268	14,729	16,065	17,491	17,824	17,837	18,139	18,319	18,325	18,325
17	Updated Weighted Average 2018 Green Benchmark ¹	\$/MWh	\$57.93	\$60.57	\$60.36	\$60.34	\$60.25	\$60.23	\$60.22	\$60.19	\$60.18	\$60.18	\$60.18
18	Market Value of Green Portfolio	\$000	\$16,132	\$621,998	\$889,030	\$969,382	\$1,053,746	\$1,073,456	\$1,074,207	\$1,091,843	\$1,102,482	\$1,102,834	\$1,102,834
19	Capacity Adder												
20	Average Monthly NOC	MW	636	10,052	10,370	10,677	10,854	10,881	11,438	11,455	11,521	11,521	11,521
21	Capacity Value per Resolution E-4475	\$/kW-Year	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27	\$58.27
22	Market Value of Capacity	\$000	\$37,061	\$585,722	\$604,274	\$622,143	\$632,438	\$634,033	\$666,484	\$667,483	\$671,322	\$671,348	\$671,348
23	Portfolio Market Value	\$000	\$148,994	\$2,559,767	\$2,770,883	\$2,869,428	\$2,959,592	\$2,978,849	\$3,011,997	\$3,028,330	\$3,041,736	\$3,042,034	\$3,042,034
24	Line Loss Adjusted Portfolio Market value	\$000	\$157,934	\$2,713,353	\$2,937,136	\$3,041,594	\$3,137,167	\$3,157,580	\$3,192,716	\$3,210,030	\$3,224,240	\$3,224,556	\$3,224,556
25	Indifference Amount												
26	Portfolio Total Cost	\$000	\$250,757	\$4,267,155	\$4,792,075	\$4,969,393	\$5,131,797	\$5,160,101	\$5,165,511	\$5,176,321	\$5,187,390	\$5,187,953	\$5,187,953
27	Portfolio Market Value	\$000	\$157,934	\$2,713,353	\$2,937,136	\$3,041,594	\$3,137,167	\$3,157,580	\$3,192,716	\$3,210,030	\$3,224,240	\$3,224,556	\$3,224,556
28	Total Indifference Amount (Unadjusted)	\$000	\$92,823	\$1,553,802	\$1,854,939	\$1,927,799	\$1,994,630	\$2,002,521	\$1,972,794	\$1,966,291	\$1,963,150	\$1,963,397	\$1,963,397
29	DWR Revenue Requirement	\$000											
30	One-Time Adjustments (if applicable)	\$000											
31	Carry Over Negative Indifference (if applicable)	\$000											
32	Adjusted Indifference Amounts	\$000	\$92,823	\$1,553,802	\$1,854,939	\$1,927,799	\$1,994,630	\$2,002,521	\$1,972,794	\$1,966,291	\$1,963,150	\$1,963,397	\$1,963,397
33	2018 True-Up Indifference Amount (w/FF&U)	\$000	\$93,881	\$1,571,499	\$1,876,065	\$1,949,754	\$2,017,347	\$2,025,328	\$1,995,263	\$1,988,685	\$1,985,509	\$1,985,758	\$1,985,758
34	2018 Forecast Indifference Amount (w/FF&U) ³	\$000	\$93,881	\$1,748,124	\$1,988,254	\$2,063,293	\$2,121,410	\$2,127,109	\$2,105,880	\$2,095,598	\$2,100,188	\$2,100,652	\$2,100,652
35	2018 Cumulative Indifference True-Up Adjustment ³	\$000	\$0	-\$176,625	-\$112,189	-\$113,539	-\$104,062	-\$101,781	-\$110,617	-\$106,913	-\$114,680	-\$114,894	-\$114,894
36	2018 Incremental Indifference True-Up Adjustment ³	\$000	\$0	-\$176,625	\$64,436	-\$1,350	\$9,477	\$2,281	-\$8,836	\$3,704	-\$7,766	-\$215	\$0

Notes

¹ Input changes from 2018 PCIA Standard Template (D.18-01-009) are shown in green font.

² CTC adjustments are shown in red font.

³ Lines added to 2018 PCIA Standard Template use to calculate the 2018 Incremental Indifference True-up Adjustment are shown in blue font.

Advice 5527-E
April 18, 2019

Appendix C

Calculation of Final 2019 PCIA Rates

Indifference Rate Calculation
2019 ERRR Forecast - FINAL CPUC DECISION 19-02-023 (System CTC Sales as BDs for All Vintages)

CALCULATIONS
RRQ Sales and Rate Components
Incremental Ongoing RRQ
BA Amortization (12/31/18)
Incremental RRQ by Portfolio Year

CTC RRQ	Legacy UOG	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019 PCIA Indifference
All	688,705,342	1,192,170,689	257,738,291	77,473,632	75,240,554	12,345,068	558,518	533,020	(14,855,760)	3,248,459	6,032,783	-	\$ 2,299,190,575
	17,482,170	187,457	374,078	331,121	10,040	292,931	760,744	83,658	2,549,641	7,149,776	-	-	\$ 5,304,645
	84,887,935	688,705,342	1,192,358,126	77,804,752	75,250,594	12,637,999	1,319,262	616,678	(12,306,119)	3,963,434	6,032,783	-	\$ 2,304,495,220
81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	
\$ 0.00105	\$ 0.00849	\$ 0.01470	\$ 0.00318	\$ 0.00096	\$ 0.00093	\$ 0.00016	\$ 0.00002	\$ 0.00001	\$ (0.00015)	\$ 0.00005	\$ 0.00007	\$ -	
\$ 0.00105	\$ 0.00849	\$ 0.02319	\$ 0.02837	\$ 0.02733	\$ 0.02826	\$ 0.02841	\$ 0.02843	\$ 0.02844	\$ 0.02829	\$ 0.02833	\$ 0.02841	\$ 0.02841	

Forecast System Sales - Same for each Portfolio Year (kWh)
Average Incremental Rate
Average Cumulative Rate

2019 Generation
Rate Ratio
(2017 GRC)

105.20%
102.99%
107.71%
99.01%
84.63%
76.83%
91.20%
84.15%
89.93%
94.38%
100.00%

Rate Group	Rate Ratio
Residential	105.20%
Small L&P	102.99%
Medium L&P	107.71%
E19	99.01%
Steerlights	84.63%
Standby	76.83%
Agriculture	91.20%
E20 T (Excluding FPP)	84.15%
E20 P (Excluding FPP)	89.93%
E20 S (Excluding FPP)	94.38%
Average	100.00%

2019 System Sales
(CTC Applicable)

28,203,421,370
8,232,980,247
8,942,382,641
13,753,153,372
261,593,455
350,514,014
5,625,098,068
5,549,919,817
7,793,806,367
2,406,910,795
81,119,780,144

Rate Group	Rate Ratio
Residential	105.20%
Small L&P	102.99%
Medium L&P	107.71%
E19	99.01%
Steerlights	84.63%
Standby	76.83%
Agriculture	91.20%
E20 T (Excluding FPP)	84.15%
E20 P (Excluding FPP)	89.93%
E20 S (Excluding FPP)	94.38%
Total	100.00%

2019 Generation
Rate Ratio
(2017 GRC)

105.20%
102.99%
107.71%
99.01%
84.63%
76.83%
91.20%
84.15%
89.93%
94.38%
100.00%

Rate Group	Rate Ratio
Residential	105.20%
Small L&P	102.99%
Medium L&P	107.71%
E19	99.01%
Steerlights	84.63%
Standby	76.83%
Agriculture	91.20%
E20 T (Excluding FPP)	84.15%
E20 P (Excluding FPP)	89.93%
E20 S (Excluding FPP)	94.38%
Total	100.00%

Allocated Incremental Rate for Each Portfolio of Resources (\$/MWh)

CTC Rate	Legacy UOG	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
All	0.00110	0.00893	0.01546	0.00335	0.00101	0.00098	0.00016	0.00002	(0.00016)	0.00005	0.00008	-
	0.00108	0.00874	0.01514	0.00328	0.00099	0.00096	0.00016	0.00002	(0.00016)	0.00005	0.00008	-
	0.00113	0.00914	0.01583	0.00343	0.00103	0.00100	0.00017	0.00002	(0.00016)	0.00005	0.00008	-
	0.00104	0.00841	0.01455	0.00315	0.00095	0.00092	0.00015	0.00002	(0.00015)	0.00005	0.00007	-
	0.00089	0.00719	0.01244	0.00289	0.00081	0.00079	0.00013	0.00001	(0.00013)	0.00004	0.00006	-
	0.00080	0.00652	0.01129	0.00244	0.00071	0.00071	0.00012	0.00001	(0.00012)	0.00004	0.00006	-
	0.00095	0.00774	0.01340	0.00290	0.00087	0.00085	0.00014	0.00001	(0.00014)	0.00004	0.00007	-
	0.00088	0.00714	0.01237	0.00268	0.00081	0.00078	0.00013	0.00001	(0.00013)	0.00004	0.00006	-
	0.00094	0.00763	0.01322	0.00286	0.00086	0.00083	0.00014	0.00001	(0.00014)	0.00004	0.00007	-
	0.00099	0.00801	0.01387	0.00300	0.00091	0.00088	0.00015	0.00002	(0.00014)	0.00005	0.00007	-
	0.00105	0.00849	0.01470	0.00318	0.00096	0.00093	0.00016	0.00002	(0.00015)	0.00005	0.00007	-

Forecast System Sales (GWh)

All	Legacy UOG	2009-2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370	28,203,421,370
8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247	8,232,980,247
8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641	8,942,382,641
13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372	13,753,153,372
261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455	261,593,455
350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014	350,514,014
5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068	5,625,098,068
5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817	5,549,919,817
7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367	7,793,806,367
2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795	2,406,910,795
81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144	81,119,780,144

Allocated Incremental RRQ Responsibility for Each Portfolio of Resources (\$)

All	Legacy UOG	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
\$ 31,047,205	\$ 251,889,457	\$ 436,097,156	\$ 94,402,904	\$ 28,456,577	\$ 27,522,411	\$ 4,622,265	\$ 482,511	\$ 225,546	\$ (4,500,882)	\$ 1,449,600	\$ 2,206,451	\$ -
\$ 8,873,179	\$ 71,989,100	\$ 124,634,997	\$ 26,980,010	\$ 8,132,787	\$ 7,865,806	\$ 1,321,027	\$ 137,900	\$ 64,460	\$ (1,286,336)	\$ 414,290	\$ 630,596	\$ -
\$ 10,079,500	\$ 81,776,112	\$ 141,579,287	\$ 30,647,978	\$ 9,238,450	\$ 8,935,172	\$ 1,500,622	\$ 166,648	\$ 73,224	\$ (1,461,215)	\$ 470,614	\$ 716,326	\$ -
\$ 14,249,925	\$ 115,611,242	\$ 200,158,174	\$ 43,328,677	\$ 13,060,889	\$ 12,632,129	\$ 2,121,509	\$ 221,461	\$ 103,520	\$ (2,065,797)	\$ 665,332	\$ 1,012,708	\$ -
\$ 231,672	\$ 1,879,579	\$ 3,254,121	\$ 704,427	\$ 212,341	\$ 205,370	\$ 34,491	\$ 3,600	\$ 1,683	\$ (33,585)	\$ 10,817	\$ 16,464	\$ -
\$ 281,824	\$ 2,286,471	\$ 3,958,575	\$ 856,921	\$ 258,308	\$ 249,829	\$ 41,958	\$ 4,380	\$ 2,047	\$ (40,856)	\$ 13,158	\$ 20,029	\$ -
\$ 5,368,173	\$ 43,552,587	\$ 75,402,756	\$ 16,322,599	\$ 4,920,244	\$ 4,758,723	\$ 799,206	\$ 83,428	\$ 38,998	\$ (778,219)	\$ 250,641	\$ 381,503	\$ -
\$ 4,886,945	\$ 39,648,336	\$ 68,643,912	\$ 14,859,368	\$ 4,478,171	\$ 4,332,130	\$ 75,949	\$ 75,949	\$ 35,502	\$ (708,456)	\$ 228,172	\$ 347,304	\$ -
\$ 7,334,495	\$ 59,505,983	\$ 103,022,237	\$ 22,301,449	\$ 6,722,493	\$ 6,501,809	\$ 1,091,960	\$ 113,987	\$ 53,282	\$ (1,063,214)	\$ 342,449	\$ 521,245	\$ -
\$ 2,377,282	\$ 19,287,154	\$ 33,391,922	\$ 7,228,422	\$ 2,178,918	\$ 2,107,389	\$ 353,926	\$ 36,946	\$ 17,270	\$ (344,632)	\$ 110,996	\$ 168,948	\$ -
\$ 84,730,200	\$ 687,425,620	\$ 1,190,142,538	\$ 257,632,756	\$ 77,660,179	\$ 75,110,766	\$ 12,614,515	\$ 1,316,811	\$ 615,533	\$ (12,883,253)	\$ 3,956,070	\$ 6,021,573	\$ -
\$ 84,887,935	\$ 688,705,342	\$ 1,192,358,126	\$ 258,112,369	\$ 77,804,752	\$ 75,250,594	\$ 12,637,999	\$ 1,319,262	\$ 616,678	\$ (12,306,119)	\$ 3,963,434	\$ 6,032,783	\$ -
\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186	\$ 1.00186

Incremental RRQ
Incremental Rate Scalar to Equal Incremental RRQ

Rate Group	CTC Rate	Incremental Rate scaled to RRQ for Each Portfolio of Resources (\$/MWh)											
		Legacy UOG	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.00110	0.00895	0.01549	0.00335	0.00101	0.00098	0.00016	0.00002	0.00002	0.00001	0.00016	0.00005	0.00008
Small L&P	0.00108	0.00876	0.01517	0.00328	0.00089	0.00086	0.00016	0.00002	0.00002	0.00001	0.00016	0.00005	0.00008
Medium L&P	0.00113	0.00916	0.01586	0.00343	0.00104	0.00100	0.00017	0.00002	0.00002	0.00001	0.00016	0.00005	0.00008
E19	0.00104	0.00842	0.01458	0.00316	0.00095	0.00092	0.00015	0.00002	0.00002	0.00001	0.00015	0.00005	0.00007
Streetlights	0.00089	0.00720	0.01246	0.00270	0.00081	0.00079	0.00013	0.00001	0.00001	0.00001	0.00013	0.00004	0.00006
Standby	0.00081	0.00654	0.01131	0.00245	0.00074	0.00071	0.00012	0.00001	0.00001	0.00001	0.00012	0.00004	0.00006
Agriculture	0.00096	0.00776	0.01343	0.00291	0.00088	0.00085	0.00014	0.00001	0.00001	0.00001	0.00014	0.00004	0.00007
E20 T (Excluding FPP)	0.00088	0.00716	0.01239	0.00268	0.00081	0.00078	0.00013	0.00001	0.00001	0.00001	0.00013	0.00004	0.00006
E20 P (Excluding FPP)	0.00094	0.00765	0.01324	0.00287	0.00086	0.00084	0.00014	0.00001	0.00001	0.00001	0.00014	0.00004	0.00007
E20 S (Excluding FPP)	0.00099	0.00803	0.01390	0.00301	0.00091	0.00088	0.00015	0.00002	0.00002	0.00001	0.00014	0.00005	0.00007
Average	0.00105	0.00851	0.01473	0.00319	0.00096	0.00093	0.00016	0.00002	0.00002	0.00001	0.00015	0.00005	0.00007

Rate Group	CTC Rate	Cumulative PCIA Rates by Vintage Year (\$/MWh)											
		Pre-2009	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.00110	0.02444	0.02779	0.02880	0.02978	0.02995	0.02997	0.02996	0.02996	0.02991	0.02986	0.02984	0.02984
Small L&P	0.00108	0.02393	0.02721	0.02820	0.02916	0.02932	0.02934	0.02933	0.02933	0.02919	0.02924	0.02931	0.02931
Medium L&P	0.00113	0.02502	0.02846	0.02949	0.03049	0.03066	0.03069	0.03068	0.03068	0.03052	0.03058	0.03066	0.03066
E19	0.00104	0.02300	0.02616	0.02711	0.02803	0.02819	0.02820	0.02820	0.02821	0.02811	0.02818	0.02818	0.02818
Streetlights	0.00089	0.01966	0.02236	0.02317	0.02396	0.02409	0.02411	0.02410	0.02410	0.02398	0.02402	0.02409	0.02409
Standby	0.00081	0.01785	0.02030	0.02104	0.02175	0.02187	0.02188	0.02188	0.02187	0.02181	0.02187	0.02187	0.02187
Agriculture	0.00096	0.02119	0.02409	0.02497	0.02582	0.02596	0.02597	0.02597	0.02597	0.02584	0.02589	0.02596	0.02596
E20 T (Excluding FPP)	0.00088	0.01955	0.02223	0.02304	0.02382	0.02395	0.02397	0.02397	0.02397	0.02385	0.02389	0.02395	0.02395
E20 P (Excluding FPP)	0.00094	0.02089	0.02376	0.02462	0.02546	0.02560	0.02561	0.02561	0.02562	0.02548	0.02553	0.02560	0.02560
E20 S (Excluding FPP)	0.00099	0.02193	0.02494	0.02584	0.02672	0.02687	0.02688	0.02688	0.02688	0.02679	0.02679	0.02686	0.02686
Average	0.00105	0.02323	0.02642	0.02738	0.02848	0.02848	0.02848	0.02848	0.02848	0.02834	0.02839	0.02846	0.02846

Rate Group	Rate Ratio	Generation Rate Ratio - CHECK											
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Residential	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%	105.20%
Small L&P	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%	102.99%
Medium L&P	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%	107.71%
E19	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%	99.01%
Streetlights	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%	84.63%
Standby	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%	76.83%
Agriculture	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%	91.20%
E20 T (Excluding FPP)	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%	84.15%
E20 P (Excluding FPP)	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%	89.93%
E20 S (Excluding FPP)	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%	94.38%
System Average	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Rate Group	CTC Revenue Allocation	UNADJUSTED RATES for D:19-02-023 Approved 2019 PCIA Revenue											
		Pre-2009	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	36.64%	31,105,003	0.02448	0.02783	0.02884	0.02982	0.02999	0.03000	0.02995	0.02985	0.02990	0.02988	0.02988
Small L&P	10.47%	8,889,698	0.02927	0.02925	0.02824	0.02920	0.02956	0.02937	0.02937	0.02923	0.02928	0.02935	0.02935
Medium L&P	11.90%	10,096,264	0.02906	0.02913	0.02853	0.03070	0.03070	0.03072	0.03072	0.03056	0.03070	0.03070	0.03070
E19	16.82%	14,276,453	0.02904	0.02904	0.02715	0.02807	0.02823	0.02824	0.02824	0.02810	0.02815	0.02822	0.02822
Streetlights	0.27%	232,103	0.01970	0.02240	0.02321	0.02400	0.02413	0.02414	0.02414	0.02402	0.02406	0.02413	0.02413
Standby	0.33%	282,349	0.01789	0.02084	0.02108	0.02179	0.02191	0.02192	0.02192	0.02181	0.02185	0.02191	0.02191
Agriculture	6.34%	5,378,166	0.02123	0.02413	0.02501	0.02586	0.02600	0.02601	0.02602	0.02588	0.02593	0.02600	0.02600
E20 T (Excluding FPP)	5.77%	4,896,043	0.01959	0.02227	0.02308	0.02386	0.02399	0.02401	0.02401	0.02389	0.02393	0.02399	0.02399
E20 P (Excluding FPP)	8.66%	7,348,149	0.02093	0.02380	0.02466	0.02550	0.02564	0.02565	0.02565	0.02552	0.02557	0.02564	0.02564
E20 S (Excluding FPP)	2.81%	2,381,707	0.02197	0.02488	0.02588	0.02676	0.02681	0.02682	0.02683	0.02679	0.02683	0.02690	0.02690
Average	100.0%	84,887,935	0.02185	0.02476	0.02722	0.02882	0.02991	0.02992	0.02993	0.02985	0.02985	0.02986	0.02986

Rate Group	CTC Revenue Allocation	Adjusted 2019 Forecast of Vintage Sales											
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
Residential	36.64%	58,817,639	16,249,497	364,477,237	767,825	160,684,492	1,184,674,713	4,753,883	2,858,695,925	2,620,184,341	4,729,094,833	-	-
Small L&P	10.47%	16,892,326	28,128,872	149,763,301	2,909,222	291,377,806	197,676,661	112,379,786	1,115,623,245	1,263,361,737	1,548,466,144	-	-
Medium L&P	11.90%	50,772,049	190,091,623	131,300,355	25,960,798	254,787,998	168,496,378	90,102,673	1,298,475,911	1,211,512,124	1,898,480,200	-	-
E19	16.82%	341,197,671	813,604,406	160,760,827	44,982,607	257,422,191	184,176,709	89,772,815	1,113,474,795	1,964,848,769	2,283,158,129	-	-
Streetlights	0.27%	2,450,065	2,352,651	2,352,651	8,049	7,436,939	8,346,427	223,974	22,159,216	59,478,201	42,561,053	-	-
Standby	0.33%	-	8,049	8,049	-	3,239,369	36,168	36,168	20,675,178	12,357,889	12,357,889	-	-
Agriculture	6.34%	71,789	1,972,356	6,494,976	451,780	868,063	62,866,240	1,604,829	59,054,272	687,954,969	475,295,560	-	-
E20 T (Excluding FPP)	5.77%	231,280,379	679,998,332	121,739,794	43,163,632	-	327,617,822	-	333,431,661	344,625,383	887,810,170	-	-
E20 P (Excluding FPP)	8.66%	260,280,385	344,890,103	182,203,163	25,513,977	120,494,235	59,927,830	15,360,376	340,209,911	685,856,424	887,810,170	-	-
E20 S (Excluding FPP)	2.81%	75,916,436	138,130,318	29,499,760	9,520,229	21,122,118	147,826,190	317,893,948	241,300,795	12,538,743,309	36,808,690,055	-	-
Total		1,037,678,739	2,213,285,160	1,148,600,113	153,270,204	1,114,344,615	1,912,522,546	314,234,505	7,286,376,664	9,088,634,200	12,538,743,309	-	-

Rate Group	2019 Forecast PCIA Revenue (\$) by Vintage by Rate Class											Total
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Residential	1,439,856	452,223	10,511,524	22,897	4,818,928	35,540,241	142,664	85,332,073	76,343,512	141,778,263	-	388,382,181
Small L&P	404,509	766,512	4,229,316	84,949	8,554,852	5,811,638	3,301,718	32,609,667	36,991,232	45,447,481	-	138,202,274
Medium L&P	1,272,348	5,417,611	3,877,299	792,587	7,821,985	5,176,209	2,168,855	39,681,424	37,086,501	58,283,342	-	162,186,162
E19	7,861,194	21,316,435	4,364,656	1,262,662	7,267,028	5,201,150	2,536,082	31,288,642	55,310,493	64,430,722	-	200,839,066
Streetsights	48,266	4,920	54,605	-	179,453	201,483	5,409	532,264	1,431,046	1,026,998	-	3,484,445
Standby	-	-	170	-	3,286	1,583	793	70,651	451,753	270,761	-	796,997
Agriculture	1,524	47,593	162,439	11,683	22,596	1,635,151	41,758	15,283,325	17,838,672	12,357,685	-	33,647,425
E20 T (Excluding FPP)	4,530,783	15,143,563	2,809,754	1,029,884	-	579,361	-	7,826,790	7,979,020	8,267,563	-	48,166,717
E20 P (Excluding FPP)	5,447,668	8,208,384	4,493,130	650,606	3,089,472	1,537,149	394,147	8,682,157	17,537,349	22,763,453	-	72,803,516
E20 S (Excluding FPP)	1,667,884	3,450,495	763,454	254,762	568,396	591,039	-	3,960,263	6,474,905	8,551,347	-	26,282,546
Total	22,674,432	54,807,738	31,266,347	4,110,030	32,325,997	56,275,003	9,191,426	211,512,256	259,454,482	363,177,616	-	1,044,795,328

D.19-02-023 Approved 2019 Forecast PCIA Revenue: \$ 1,042,892,751

Rate Group	Allocation	CTC Revenue	CTC Rate	D.19-02-023 Approved 2019 PCIA Revenue											Adjustment 1/
				Pre-2009	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		2019
Residential	36.64%	31,105,003	0.00110	-	0.02444	0.02778	0.02879	0.02977	0.02994	0.02996	0.02990	0.02985	0.02993	0.02993	
Small L&P	10.47%	8,889,698	0.00108	-	0.02393	0.02720	0.02819	0.02915	0.02931	0.02933	0.02918	0.02923	0.02930	0.02930	
Medium L&P	11.90%	10,096,264	0.00113	-	0.02501	0.02845	0.02948	0.03047	0.03064	0.03067	0.03050	0.03056	0.03064	0.03064	
E19	16.82%	14,276,453	0.00104	-	0.02300	0.02615	0.02710	0.02802	0.02818	0.02820	0.02805	0.02810	0.02817	0.02817	
Streetsights	0.27%	232,103	0.00089	-	0.01966	0.02256	0.02317	0.02396	0.02409	0.02411	0.02398	0.02402	0.02409	0.02409	
Standby	0.33%	282,349	0.00081	-	0.01786	0.02030	0.02104	0.02175	0.02187	0.02189	0.02177	0.02181	0.02187	0.02187	
Agriculture	6.34%	5,376,166	0.00096	-	0.02119	0.02409	0.02486	0.02581	0.02595	0.02597	0.02583	0.02588	0.02595	0.02595	
E20 T (Excluding FPP)	5.77%	4,896,043	0.00088	-	0.01955	0.02223	0.02304	0.02382	0.02395	0.02397	0.02389	0.02389	0.02395	0.02395	
E20 P (Excluding FPP)	8.66%	7,348,149	0.00084	-	0.02089	0.02376	0.02462	0.02545	0.02559	0.02561	0.02547	0.02552	0.02559	0.02559	
E20 S (Excluding FPP)	2.81%	2,381,707	0.00099	-	0.02193	0.02493	0.02583	0.02671	0.02686	0.02688	0.02674	0.02678	0.02685	0.02685	
Average	100.0%	84,887,935	0.00105	-	0.02181	0.02472	0.02717	0.02677	0.02696	0.02692	0.02698	0.02680	0.02689	0.02689	
REVENUE CHECK		\$ 84,887,935		\$ 22,633,142	\$ 54,707,933	\$ 31,209,411	\$ 4,102,545	\$ 32,267,132	\$ 56,172,526	\$ 9,174,689	\$ 211,127,092	\$ 259,982,014	\$ 362,516,268	\$ 1,042,892,751	

1/ Adjustment factor to ensure rates are designed to recover the approved PCIA revenue requirement.

2018 Brown Power True Up Rate Calculation Using Top 100 Rate Design

2018 ERRRA Forecast - Incremental Indifference Result - 2018 BrownPower True-up
pursuant to D.19-02-023

Rate Group	Total Billing Determinants (kWh)	Top 100 Hours Allocation	CTC RRQ N/A	Incremental True-up Amount Allocated to Rate Group -- Total RRQ by Vintage x Column C										
				2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Total RRQ			\$ -	\$ 64,436,360	\$ (1,349,867)	\$ 9,476,555	\$ 2,281,217	\$ (8,836,240)	\$ 3,704,231	\$ (7,766,464)	\$ (214,750)			
Residential	27,733,811,955	44.12%	\$ -	\$ 28,427,295	\$ (595,519)	\$ 4,180,758	\$ 1,006,401	\$ (3,898,271)	\$ 1,634,190	\$ (3,426,319)	\$ (94,741)	\$ -		
Small L&P	7,971,460,610	9.34%	\$ -	\$ 6,020,755	\$ (126,128)	\$ 885,463	\$ 213,151	\$ (825,634)	\$ 346,113	\$ (725,677)	\$ (20,066)	\$ -		
Medium L&P	10,113,075,637	12.02%	\$ -	\$ 7,747,472	\$ (162,300)	\$ 1,139,409	\$ 274,281	\$ (1,062,421)	\$ 445,376	\$ (933,797)	\$ (25,820)	\$ -		
E19	12,840,853,289	12.84%	\$ -	\$ 8,272,214	\$ (173,293)	\$ 1,216,582	\$ 292,858	\$ (1,134,379)	\$ 475,542	\$ (997,043)	\$ (27,569)	\$ -		
Streetlights	281,820,556	0.08%	\$ -	\$ 50,585	\$ (1,060)	\$ 7,439	\$ 1,791	\$ (6,937)	\$ 2,908	\$ (6,097)	\$ (169)	\$ -		
Standby	320,417,307	0.18%	\$ -	\$ 117,170	\$ (2,455)	\$ 17,232	\$ 4,148	\$ (16,068)	\$ 6,736	\$ (14,122)	\$ (390)	\$ -		
Agriculture	6,216,832,106	7.28%	\$ -	\$ 4,689,904	\$ (98,248)	\$ 689,737	\$ 166,035	\$ (643,132)	\$ 269,607	\$ (565,270)	\$ (15,630)	\$ -		
E20 T (Excluding FPP)	5,543,883,711	4.57%	\$ -	\$ 2,943,914	\$ (61,672)	\$ 432,957	\$ 104,222	\$ (403,703)	\$ 169,236	\$ (354,828)	\$ (9,811)	\$ -		
E20 P (Excluding FPP)	8,127,426,030	7.29%	\$ -	\$ 4,695,689	\$ (98,369)	\$ 690,588	\$ 166,240	\$ (643,926)	\$ 269,939	\$ (565,968)	\$ (15,650)	\$ -		
E20 S (Excluding FPP)	2,373,994,137	2.28%	\$ -	\$ 1,471,362	\$ (30,823)	\$ 216,391	\$ 52,090	\$ (201,770)	\$ 84,584	\$ (177,342)	\$ (4,904)	\$ -		
Total	81,523,575,337	100.00%												

Rate Group	Total Billing Determinants (kWh)	Top 100 Hours Allocation	CTC Rate N/A	INCREMENTAL RATES										
				2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Total			\$ -	\$ 0.00103	\$ (0.00002)	\$ 0.00015	\$ 0.00004	\$ (0.00014)	\$ 0.00006	\$ (0.00012)	\$ (0.00000)	\$ -		
Residential	27,733,811,955	44.12%	\$ -	\$ 0.00281	\$ (0.00002)	\$ 0.00011	\$ 0.00003	\$ (0.00010)	\$ 0.00004	\$ (0.00009)	\$ (0.00000)	\$ -		
Small L&P	7,971,460,610	9.34%	\$ -	\$ 0.00207	\$ (0.00002)	\$ 0.00011	\$ 0.00003	\$ (0.00010)	\$ 0.00004	\$ (0.00009)	\$ (0.00000)	\$ -		
Medium L&P	10,113,075,637	12.02%	\$ -	\$ 0.00210	\$ (0.00002)	\$ 0.00011	\$ 0.00003	\$ (0.00011)	\$ 0.00004	\$ (0.00009)	\$ (0.00000)	\$ -		
E19	12,840,853,289	12.84%	\$ -	\$ 0.00177	\$ (0.00001)	\$ 0.00009	\$ 0.00002	\$ (0.00009)	\$ 0.00004	\$ (0.00008)	\$ (0.00000)	\$ -		
Streetlights	281,820,556	0.08%	\$ -	\$ 0.00049	\$ (0.00000)	\$ 0.00003	\$ 0.00001	\$ (0.00002)	\$ 0.00001	\$ (0.00002)	\$ (0.00000)	\$ -		
Standby	320,417,307	0.18%	\$ -	\$ 0.00100	\$ (0.00001)	\$ 0.00005	\$ 0.00001	\$ (0.00005)	\$ 0.00002	\$ (0.00004)	\$ (0.00000)	\$ -		
Agriculture	6,216,832,106	7.28%	\$ -	\$ 0.00207	\$ (0.00002)	\$ 0.00011	\$ 0.00003	\$ (0.00010)	\$ 0.00004	\$ (0.00009)	\$ (0.00000)	\$ -		
E20 T (Excluding FPP)	5,543,883,711	4.57%	\$ -	\$ 0.00146	\$ (0.00001)	\$ 0.00008	\$ 0.00002	\$ (0.00007)	\$ 0.00003	\$ (0.00006)	\$ (0.00000)	\$ -		
E20 P (Excluding FPP)	8,127,426,030	7.29%	\$ -	\$ 0.00158	\$ (0.00001)	\$ 0.00008	\$ 0.00002	\$ (0.00008)	\$ 0.00003	\$ (0.00007)	\$ (0.00000)	\$ -		
E20 S (Excluding FPP)	2,373,994,137	2.28%	\$ -	\$ 0.00170	\$ (0.00001)	\$ 0.00009	\$ 0.00002	\$ (0.00008)	\$ 0.00004	\$ (0.00007)	\$ (0.00000)	\$ -		
Total	81,523,575,337	100.00%	\$ -	\$ 0.00217	\$ (0.00002)	\$ 0.00012	\$ 0.00003	\$ (0.00011)	\$ 0.00005	\$ (0.00010)	\$ (0.00000)	\$ -		

Proposed 2019 ERRR Forecast PCIA Rates Prior to 2018 Actual Brown Power True-up (with DWR Franchise Fee)

Rate Group	Proposed PCIA Rates by Vintage										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.02444	0.02778	0.02879	0.02977	0.02994	0.02995	0.02996	0.02980	0.02985	0.02993	0.02993
Small L&P	0.02393	0.02720	0.02819	0.02915	0.02931	0.02932	0.02933	0.02918	0.02923	0.02930	0.02930
Medium L&P	0.02501	0.02845	0.02948	0.03047	0.03064	0.03066	0.03067	0.03050	0.03056	0.03064	0.03064
E19	0.02300	0.02615	0.02710	0.02802	0.02818	0.02819	0.02820	0.02810	0.02816	0.02817	0.02817
Streelights	0.01966	0.02236	0.02317	0.02396	0.02409	0.02410	0.02411	0.02398	0.02402	0.02409	0.02409
Standby	0.01786	0.02030	0.02104	0.02175	0.02187	0.02188	0.02189	0.02177	0.02181	0.02187	0.02187
Agriculture	0.02119	0.02409	0.02496	0.02581	0.02595	0.02596	0.02597	0.02583	0.02588	0.02595	0.02595
E20 T (Excluding FPP)	0.01955	0.02223	0.02304	0.02382	0.02395	0.02397	0.02397	0.02385	0.02389	0.02395	0.02395
E20 P (Excluding FPP)	0.02089	0.02376	0.02462	0.02545	0.02559	0.02560	0.02561	0.02547	0.02552	0.02559	0.02559
E20 S (Excluding FPP)	0.02193	0.02493	0.02583	0.02671	0.02687	0.02688	0.02687	0.02678	0.02685	0.02685	0.02685
System Average PCIA Rate by Vintage	0.02181	0.02472	0.02717	0.02677	0.02896	0.02937	0.02920	0.02898	0.02850	0.02891	0.02891

2018 Actual Brown Power True-up Refund Rates

Rate Group	Proposed PCIA Rates by Vintage										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	(0.00281)	(0.00178)	(0.00181)	(0.00166)	(0.00162)	(0.00176)	(0.00170)	(0.00182)	(0.00183)	(0.00033)	-
Small L&P	(0.00207)	(0.00132)	(0.00133)	(0.00122)	(0.00119)	(0.00130)	(0.00125)	(0.00134)	(0.00135)	(0.00018)	-
Medium L&P	(0.00210)	(0.00133)	(0.00135)	(0.00124)	(0.00121)	(0.00132)	(0.00127)	(0.00136)	(0.00137)	(0.00012)	-
E19	(0.00177)	(0.00112)	(0.00114)	(0.00104)	(0.00102)	(0.00111)	(0.00107)	(0.00115)	(0.00115)	(0.00016)	-
Streelights	(0.00049)	(0.00031)	(0.00032)	(0.00029)	(0.00028)	(0.00031)	(0.00030)	(0.00032)	(0.00032)	(0.00007)	-
Standby	(0.00100)	(0.00064)	(0.00064)	(0.00059)	(0.00058)	(0.00063)	(0.00061)	(0.00065)	(0.00065)	(0.00000)	-
Agriculture	(0.00207)	(0.00131)	(0.00133)	(0.00122)	(0.00119)	(0.00130)	(0.00125)	(0.00134)	(0.00135)	(0.00002)	-
E20 T (Excluding FPP)	(0.00146)	(0.00092)	(0.00094)	(0.00086)	(0.00084)	(0.00091)	(0.00088)	(0.00095)	(0.00095)	(0.00002)	-
E20 P (Excluding FPP)	(0.00158)	(0.00101)	(0.00102)	(0.00093)	(0.00091)	(0.00099)	(0.00096)	(0.00103)	(0.00103)	(0.00004)	-
E20 S (Excluding FPP)	(0.00170)	(0.00108)	(0.00109)	(0.00100)	(0.00098)	(0.00105)	(0.00103)	(0.00110)	(0.00111)	(0.00005)	-
System Average PCIA Rate by Vintage	(0.00217)	(0.00138)	(0.00139)	(0.00128)	(0.00125)	(0.00136)	(0.00131)	(0.00141)	(0.00141)	(0.00020)	-

Proposed 2019 ERRR Forecast PCIA Rates Including 2018 Actual Brown Power True-up (with DWR Franchise Fee)

Rate Group	Proposed PCIA Rates by Vintage										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Residential	0.02163	0.02599	0.02698	0.02811	0.02832	0.02819	0.02825	0.02797	0.02802	0.02960	0.02993
Small L&P	0.02186	0.02589	0.02686	0.02793	0.02811	0.02802	0.02807	0.02783	0.02788	0.02912	0.02930
Medium L&P	0.02291	0.02711	0.02813	0.02924	0.02943	0.02935	0.02940	0.02914	0.02920	0.03052	0.03064
E19	0.02123	0.02503	0.02597	0.02698	0.02716	0.02708	0.02713	0.02690	0.02695	0.02800	0.02817
Streelights	0.01917	0.02205	0.02285	0.02367	0.02380	0.02379	0.02381	0.02366	0.02370	0.02401	0.02409
Standby	0.01686	0.01967	0.02040	0.02116	0.02129	0.02125	0.02128	0.02112	0.02116	0.02187	0.02187
Agriculture	0.01912	0.02277	0.02364	0.02459	0.02476	0.02467	0.02472	0.02449	0.02454	0.02593	0.02595
E20 T (Excluding FPP)	0.01810	0.02130	0.02210	0.02296	0.02311	0.02305	0.02309	0.02290	0.02294	0.02392	0.02395
E20 P (Excluding FPP)	0.01931	0.02275	0.02360	0.02452	0.02468	0.02461	0.02465	0.02445	0.02449	0.02555	0.02559
E20 S (Excluding FPP)	0.02023	0.02386	0.02474	0.02571	0.02581	0.02581	0.02585	0.02564	0.02568	0.02680	0.02685
System Average PCIA Rate by Vintage	0.01964	0.02334	0.02578	0.02549	0.02771	0.02801	0.02789	0.02757	0.02709	0.02871	0.02891

Actual_Forecast Sales byVintage

PG&E
2019 ERRRA Forecast
2019 PCIA Rates

Rate Group	Actual 2018 Sales									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Residential	57,362,420	16,111,227	356,558,054	7,000,279	148,255,857	1,099,377,224	5,038,068	2,773,859,958	2,620,184,341	846,400,353
Small L&P	19,117,080	35,104,636	142,201,979	5,382,565	278,995,037	190,928,225	108,675,983	1,097,291,706	1,263,361,737	202,490,240
Medium L&P	46,155,854	179,057,630	127,849,177	25,172,090	243,612,006	163,858,665	84,006,515	1,227,873,737	1,211,512,124	173,412,052
E19	322,222,838	791,762,250	167,308,955	47,310,618	244,421,461	180,757,568	87,248,116	1,114,711,202	1,964,848,769	325,758,248
Streetslights	2,152,492	301,488	2,680,477	1,798	6,949,987	8,479,120	93,416	23,597,884	59,478,201	9,617,443
Standby	-	-	17,452	-	295,171	48,653	50,456	5,226,551	20,675,178	158
Agriculture	56,605	1,951,343	7,036,694	536,881	1,325,776	68,678,279	2,834,723	61,339,069	687,954,969	6,757,558
E20 T (Excluding FPP)	450,499,902	1,014,318,222	111,539,166	44,977,968	-	21,863,204	-	335,798,179	333,431,661	8,347,600
E20 P (Excluding FPP)	267,303,403	346,466,697	180,111,007	26,279,119	111,431,189	63,883,666	10,070,821	298,054,471	685,856,424	34,550,134
E20 S (Excluding FPP)	83,795,810	132,686,641	27,546,362	8,624,682	20,278,210	21,613,844	-	160,974,679	241,330,795	13,282,998
Total	1,248,666,403	2,517,760,132	1,122,849,324	165,286,000	1,055,564,694	1,819,488,448	298,018,098	7,098,727,435	9,088,634,200	1,620,616,784

Rate Group	2019 forecast DA/CCA - PCIA Sales by Vintage										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
Residential	58,817,639	16,249,497	364,477,237	767,825	160,684,492	1,184,674,713	4,753,883	2,858,696,925	969,700,325	7,460,250,301	
Small L&P	16,892,326	28,128,872	149,763,301	2,909,222	291,377,806	197,876,661	112,379,786	1,115,623,245	41,765,086	2,442,739,134	
Medium L&P	50,772,049	190,091,623	131,300,355	25,960,921	254,787,798	168,496,378	90,102,673	1,298,475,911	40,057,665	2,994,893,946	
E19	341,197,671	813,604,406	160,760,827	44,982,607	257,422,191	184,176,709	89,772,815	1,113,474,795	579,017,197	3,601,731,775	
Streetslights	2,450,065	219,654	2,352,651	-	7,436,939	8,346,427	223,974	22,159,216	13,261,110	67,140,990	
Standby	-	-	8,049	-	149,973	72,215	36,168	3,239,389	8,079,256	19,494,840	
Agriculture	71,789	1,972,356	6,494,976	451,780	869,063	62,866,240	1,604,829	59,054,272	46,489,726	749,789,118	
E20 T (Excluding FPP)	231,280,379	679,998,332	121,739,794	43,163,632	-	24,129,981	-	327,617,822	1,859,510	543,654,063	
E20 P (Excluding FPP)	260,280,385	344,890,103	182,203,163	25,513,977	120,494,235	59,927,830	15,360,376	340,209,911	93,625,635	1,400,539,917	
E20 S (Excluding FPP)	75,916,436	138,130,318	29,499,760	9,520,239	21,122,118	21,955,394	-	147,826,180	52,803,275	501,484,641	
System Average PCIA Rate by Vintage	1,037,678,739	2,213,285,160	1,148,600,113	153,270,204	1,114,344,615	1,912,522,546	314,234,505	7,286,376,664	1,846,668,784	19,781,718,725	36,808,690,055

Rate Group	Adjusted 2019 Forecast of Vintage Sales ^{1/}										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
Residential	58,817,639	16,249,497	364,477,237	767,825	160,684,492	1,184,674,713	4,753,883	2,858,696,925	2,620,184,341	4,729,094,833	
Small L&P	16,892,326	28,128,872	149,763,301	2,909,222	291,377,806	197,876,661	112,379,786	1,115,623,245	1,263,361,737	1,548,466,144	
Medium L&P	50,772,049	190,091,623	131,300,355	25,960,921	254,787,798	168,496,378	90,102,673	1,298,475,911	1,211,512,124	1,898,480,200	
E19	341,197,671	813,604,406	160,760,827	44,982,607	257,422,191	184,176,709	89,772,815	1,113,474,795	1,964,848,769	2,283,158,129	
Streetslights	2,450,065	219,654	2,352,651	-	7,436,939	8,346,427	223,974	22,159,216	59,478,201	42,561,063	
Standby	-	-	8,049	-	149,973	72,215	36,168	3,239,389	20,675,178	12,357,889	
Agriculture	71,789	1,972,356	6,494,976	451,780	869,063	62,866,240	1,604,829	59,054,272	687,954,969	475,295,560	
E20 T (Excluding FPP)	231,280,379	679,998,332	121,739,794	43,163,632	-	24,129,981	-	327,617,822	333,431,661	344,625,383	
E20 P (Excluding FPP)	260,280,385	344,890,103	182,203,163	25,513,977	120,494,235	59,927,830	15,360,376	340,209,911	685,856,424	887,810,170	
E20 S (Excluding FPP)	75,916,436	138,130,318	29,499,760	9,520,239	21,122,118	21,955,394	-	147,826,180	241,330,795	317,893,948	
Total	1,037,678,739	2,213,285,160	1,148,600,113	153,270,204	1,114,344,615	1,912,522,546	314,234,505	7,286,376,664	9,088,634,200	12,539,743,309	36,808,690,055

1/ The 2019 DA/CCA sales forecast was adjusted to reflect actual 2018 sales in the 2017 vintage. The adjustment results in lower sales in the 2018 vintage used to derive the refund rate for the 2018 vintage. The total 2019 DA/CCA sales forecast is unchanged.

Appendix D

Comparison of the Proposed 2019 Average Bundled Customers Generation Rate, Ongoing CTC Rates, PCIA Rates, and New System Generation Charge Rates With Current 2018 Rates

ADVICE 5527-E
PACIFIC GAS AND ELECTRIC COMPANY
PROPOSED 2019 AVERAGE GENERATION RATES FOR BUNDLED CUSTOMERS
2019 ERRR Forecast - Conforming Rates Pursuant to D.19-02-023

<u>Line No.</u>	<u>Customer Class</u>	<u>Proposed Rate (\$/kWh)</u>
1	Residential	\$0.11639
2	Small Commercial	\$0.11352
3	Medium Commercial	\$0.11798
4	Large Commercial	\$0.11056
5	Streetlights	\$0.09278
6	Standby	\$0.08436
7	Agriculture	\$0.10173
8	E-20 T	\$0.09417
9	E-20 P	\$0.10010
10	E-20 S	\$0.10672

<u>Line No.</u>	<u>Customer Class</u>	<u>Present 2018 Rate (\$/kWh)</u>
11	Residential	\$0.10780
12	Small Commercial	\$0.10709
13	Medium Commercial	\$0.11324
14	Large Commercial	\$0.10286
15	Streetlights	\$0.08753
16	Standby	\$0.07836
17	Agriculture	\$0.09539
18	E-20 T	\$0.08677
19	E-20 P	\$0.09337
20	E-20 S	\$0.09781

<u>Line No.</u>	<u>Customer Class</u>	<u>Change</u>
21	Residential	8.0%
22	Small Commercial	6.0%
23	Medium Commercial	4.2%
24	Large Commercial	7.5%
25	Streetlights	6.0%
26	Standby	7.7%
27	Agriculture	6.6%
28	E-20 T	8.5%
29	E-20 P	7.2%
30	E-20 S	9.1%

ADVICE 5527-E
PACIFIC GAS AND ELECTRIC COMPANY
PROPOSED 2019 ONGOING CTC RATES FOR BUNDLED, DA, CCA AND DL CUSTOMERS
2019 ERRA Forecast - Conforming Rates Pursuant to D.19-02-023

<u>Line No.</u>	<u>Customer Class</u>	<u>Proposed Rate (\$/kWh)</u>
1	Residential	\$0.00110
2	Small Commercial	\$0.00108
3	Medium Commercial	\$0.00113
4	Large Commercial	\$0.00104
5	Streetlights	\$0.00088
6	Standby	\$0.00080
7	Agriculture	\$0.00095
8	E-20 T	\$0.00086
9	E-20 P	\$0.00096
10	E-20 S	\$0.00097
		Present 2018 Rate (\$/kWh)
		<hr/>
1	Residential	\$0.00132
2	Small Commercial	\$0.00098
3	Medium Commercial	\$0.00099
4	Large Commercial	\$0.00084
5	Streetlights	\$0.00024
6	Standby	\$0.00047
7	Agriculture	\$0.00098
8	E-20 T	\$0.00068
9	E-20 P	\$0.00076
10	E-20 S	\$0.00080
		Change
11	Residential	-17.1%
12	Small Commercial	10.2%
13	Medium Commercial	13.6%
14	Large Commercial	24.2%
15	Streetlights	273.5%
16	Standby	70.1%
17	Agriculture	-2.4%
18	E-20 T	26.4%
19	E-20 P	26.9%
20	E-20 S	21.8%

ADVICE 5527-E
PACIFIC GAS AND ELECTRIC COMPANY
PROPOSED 2019 PCIA RATES (\$/KWH)
2019 ERRR Forecast - Conforming Rates Pursuant to D.19-02-023

Proposed PCIA Rates

Line No.	Customer Class	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Vintage	Vintage	Vintage	Vintage	Vintage	Vintage	Vintage	Vintage	Vintage	Vintage	Vintage
1	Residential	\$0.02162	\$0.02599	\$0.02698	\$0.02811	\$0.02831	\$0.02818	\$0.02825	\$0.02797	\$0.02802	\$0.02960	\$0.02993
2	Small Commercial	\$0.02185	\$0.02588	\$0.02686	\$0.02792	\$0.02811	\$0.02802	\$0.02807	\$0.02783	\$0.02788	\$0.02912	\$0.02930
3	Medium Commercial	\$0.02291	\$0.02711	\$0.02812	\$0.02923	\$0.02943	\$0.02935	\$0.02940	\$0.02914	\$0.02920	\$0.03052	\$0.03064
4	Large Commercial	\$0.02123	\$0.02503	\$0.02596	\$0.02698	\$0.02716	\$0.02708	\$0.02713	\$0.02690	\$0.02695	\$0.02800	\$0.02817
5	Streetlights	\$0.01917	\$0.02204	\$0.02285	\$0.02366	\$0.02380	\$0.02379	\$0.02381	\$0.02365	\$0.02369	\$0.02401	\$0.02409
6	Standby	\$0.01685	\$0.01966	\$0.02039	\$0.02116	\$0.02129	\$0.02125	\$0.02128	\$0.02112	\$0.02116	\$0.02187	\$0.02187
7	Agriculture	\$0.01912	\$0.02277	\$0.02363	\$0.02459	\$0.02476	\$0.02466	\$0.02472	\$0.02449	\$0.02454	\$0.02593	\$0.02595
8	E-20 T	\$0.01810	\$0.02130	\$0.02210	\$0.02296	\$0.02310	\$0.02305	\$0.02308	\$0.02290	\$0.02294	\$0.02392	\$0.02395
9	E-20 P	\$0.01931	\$0.02275	\$0.02359	\$0.02452	\$0.02468	\$0.02461	\$0.02465	\$0.02444	\$0.02449	\$0.02555	\$0.02559
10	E-20 S	\$0.02023	\$0.02385	\$0.02474	\$0.02571	\$0.02588	\$0.02580	\$0.02585	\$0.02564	\$0.02567	\$0.02680	\$0.02685

Present 2018 PCIA Rates

Customer Class	Vin 2009	Vin 2010	Vin 2011	Vin 2012	Vin 2013	Vin 2014	Vin 2015	Vin 2016	Vin 2017	Vin 2018
Residential	0.02785	0.03167	0.03286	0.03379	0.03388	0.03354	0.03338	0.03345	0.03346	0.03346
Small Commercial	0.02053	0.02335	0.02423	0.02491	0.02497	0.02472	0.02460	0.02466	0.02466	0.02466
Medium Commercial	0.02082	0.02368	0.02457	0.02526	0.02533	0.02508	0.02496	0.02501	0.02502	0.02502
Large Commercial	0.01752	0.01992	0.02067	0.02125	0.02131	0.02109	0.02099	0.02104	0.02104	0.02104
Streetlights	0.00491	0.00558	0.00579	0.00595	0.00597	0.00591	0.00588	0.00589	0.00589	0.00589
Standby	0.00996	0.01132	0.01175	0.01208	0.01211	0.01199	0.01193	0.01196	0.01196	0.01196
Agriculture	0.02051	0.02332	0.02420	0.02488	0.02494	0.02470	0.02457	0.02463	0.02463	0.02463
E-20 T	0.01445	0.01643	0.01704	0.01752	0.01757	0.01740	0.01731	0.01735	0.01735	0.01735
E-20 P	0.01572	0.01787	0.01854	0.01906	0.01911	0.01892	0.01883	0.01887	0.01888	0.01888
E-20 S	0.01686	0.01916	0.01989	0.02045	0.02050	0.02030	0.02020	0.02024	0.02025	0.02025
Customer Class	Vin 2009	Vin 2010	Vin 2011	Vin 2012	Vin 2013	Vin 2014	Vin 2015	Vin 2016	Vin 2017	Vin 2018
Residential	-22.4%	-17.9%	-17.9%	-16.8%	-16.4%	-16.0%	-15.4%	-16.4%	-16.3%	-11.5%
Small Commercial	6.4%	10.8%	10.9%	12.1%	12.6%	13.3%	14.1%	12.9%	13.1%	18.1%
Medium Commercial	10.0%	14.5%	14.4%	15.7%	16.2%	17.0%	17.8%	16.5%	16.7%	22.0%
Large Commercial	21.2%	25.7%	25.6%	27.0%	27.5%	28.4%	29.3%	27.9%	28.1%	33.1%
Streetlights	290.4%	295.0%	294.6%	297.6%	298.7%	302.5%	304.9%	301.5%	302.2%	307.6%
Standby	69.2%	73.7%	73.5%	75.2%	75.8%	77.2%	78.4%	76.6%	76.9%	82.9%
Agriculture	-6.8%	-2.4%	-2.4%	-1.2%	-0.7%	-0.2%	0.6%	-0.6%	-0.4%	5.3%
E-20 T	25.3%	29.6%	29.7%	31.1%	31.5%	32.5%	33.3%	32.0%	32.2%	37.9%
E-20 P	22.8%	27.3%	27.2%	28.6%	29.1%	30.1%	30.9%	29.5%	29.7%	35.3%
E-20 S	20.0%	24.5%	24.4%	25.7%	26.2%	27.1%	28.0%	26.7%	26.8%	32.3%
Customer Class	Vin 2009	Vin 2010	Vin 2011	Vin 2012	Vin 2013	Vin 2014	Vin 2015	Vin 2016	Vin 2017	Vin 2018
					% Change					

ADVICE 5527-E
PACIFIC GAS AND ELECTRIC COMPANY
PROPOSED 2019 NEW SYSTEM GENERATION CHARGE RATES (BUNDLED)
2019 ERRRA Forecast - Conforming Rates Pursuant to D.19-02-023

<u>Line No.</u>	<u>Customer Class</u>	<u>Proposed Rate (\$/kWh)</u>
1	Residential	\$0.00217
2	Small Commercial	\$0.00161
3	Medium Commercial	\$0.00147
4	Large Commercial	\$0.00147
5	Streetlights	\$0.00144
6	Standby	\$0.00306
7	Agriculture	\$0.00132
8	E-20 T	\$0.00122
9	E-20 P	\$0.00122
10	E-20 S	\$0.00122
		Present 2018
		Rate
		(\$/kWh)
11	Residential	\$0.00228
12	Small Commercial	\$0.00167
13	Medium Commercial	\$0.00155
14	Large Commercial	\$0.00155
15	Streetlights	\$0.00151
16	Standby	\$0.00349
17	Agriculture	\$0.00135
18	E-20 T	\$0.00131
19	E-20 P	\$0.00131
20	E-20 S	\$0.00131
		Change
21	Residential	-4.8%
22	Small Commercial	-3.3%
23	Medium Commercial	-4.9%
24	Large Commercial	-4.9%
25	Streetlights	-4.2%
26	Standby	-12.5%
27	Agriculture	-1.7%
28	E-20 T	-6.5%
29	E-20 P	-6.5%
30	E-20 S	-6.5%

Advice 5527-E
April 18, 2019

Appendix E

Pro Forma Tariff Sheets of Total Illustrative Rates



**ELECTRIC PRELIMINARY STATEMENT PART I
RATE SCHEDULE SUMMARY**

Sheet 1

I. Rate Summary

The following rates are used to separate billed revenue for accounting purposes.

Billed Component	Subcomponent	Applicability	Rate (per kWh)	
Distribution	California Public Utilities Commission Fee	All rate schedules, all customers.	\$0.00059	
Distribution	CEE Incentive Rate	All rate schedules, all customers.	(\$0.00002)	
Transmission	Transmission Access Charge (FERC Jurisdictional)	All rate schedules, all customers.	\$0.00618	
Transmission	End-Use Customer Refund Adjustment (ECRA)	Residential Small L&P Medium L&P E-19 Streetlights Standby Agriculture E-20	\$0.00000 (\$0.00008) (\$0.00008) (\$0.00008) (\$0.00006) (\$0.00006) (\$0.00006) (\$0.00006)	(I)
Public Purpose Programs	CARE Surcharge	All rate schedules except CARE schedules, Schedules TC-1, LS-1, LS-2, and LS-3, and qualifying CARE usage under Schedules ESL, ESRL, ETL, A-1, A-6, A-10, and E-19; all customers.	\$0.00699	

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



**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.	\$0.00088	
Public Purpose Programs	Electric Program Investment Charge	All rate schedules, all customers.	\$0.00108	
Public Purpose Programs	Electric Program Investment Charge Revenue Adjustment Mechanism - NSHP	All rate schedules, all customers.	\$0.00000	
Generation	Power Charge Collection Balancing Account (PCCBA)	All rate schedules, bundled service, except Schedules E-GT and E-ECR.	(\$0.00011)	(R)
Generation	Energy Resource Recovery Account (ERRA)	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.04664	(R)
Generation	DWR Franchise Fees	All rate schedules except Schedules E-GT and E-ECR, all bundled service customers.	\$0.00004	

(Continued)



**ELECTRIC SCHEDULE A-1
SMALL GENERAL SERVICE**

Sheet 3

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

A. Non-Time-of-Use Rates

Total Customer Charge Rates

Customer Charge Single-phase (\$ per meter per day)	\$0.32854	
Customer Charge Poly-phase (\$ per meter per day)	\$0.65708	

Total Energy Rates (\$ per kWh)

Summer	\$0.26967	(l)
Winter	\$0.20779	(l)

B. Time-of-Use Rates

Total Customer Charge Rates

Customer Charge Single-phase (\$ per meter per day)	\$0.32854	
Customer Charge Poly-phase (\$ per meter per day)	\$0.65708	

Total TOU Energy Rates (\$ per kWh)

Peak Summer	\$0.28373	(l)
Part-Peak Summer	\$0.26007	(l)
Off-Peak Summer	\$0.23272	(l)
Part-Peak Winter	\$0.23937	(l)
Off-Peak Winter	\$0.21846	(l)

PDP Rates (Consecutive Day and Four-Hour Event Option) *

PDP Charges (\$ per kWh)

All Usage During PDP Event	\$0.60	
----------------------------	--------	--

PDP Credits

Energy (\$ per kWh)

Peak Summer	(\$0.00970)
Part-Peak Summer	(\$0.00970)
Off-Peak Summer	(\$0.00970)

* See PDP Detail, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



**ELECTRIC SCHEDULE A-1
SMALL GENERAL SERVICE**

Sheet 4

RATES: Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.
(Cont'd.)

UNBUNDLING OF TOTAL RATES

A. Non-Time-of-Use Rates

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Components (\$ per kWh)

Generation:

Summer	\$0.13258	(I)
Winter	\$0.09121	(I)

Distribution**

Summer	\$0.08911	(R)
Winter	\$0.06860	(R)

Transmission* (all usage)

\$0.02419

Transmission Rate Adjustments* (all usage)

\$0.00327

Reliability Services* (all usage)

(\$0.00067)

Public Purpose Programs (all usage)

\$0.01317 (R)

Nuclear Decommissioning (all usage)

\$0.00088

Competition Transition Charges (all usage)

\$0.00107 (I)

Energy Cost Recovery Amount (all usage)

(\$0.00057)

New System Generation Charge (all usage)**

\$0.00161 (R)

DWR Bond (all usage)

\$0.00503

California Climate Credit (all usage)***

\$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE A-1
SMALL GENERAL SERVICE**

Sheet 5

RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES

B. Time-of-Use Rates

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Components (\$ per kWh)

Generation:

Peak Summer	\$0.14664	(I)
Part-Peak Summer	\$0.12298	(I)
Off-Peak Summer	\$0.09563	(I)
Part-Peak Winter	\$0.12279	(I)
Off-Peak Winter	\$0.10188	(I)

Distribution:**

Peak Summer	\$0.08911	(R)
Part-Peak Summer	\$0.08911	(R)
Off-Peak Summer	\$0.08911	(R)
Part-Peak Winter	\$0.06860	(R)
Off-Peak Winter	\$0.06860	(R)

Transmission* (all usage)	\$0.02419	
Transmission Rate Adjustments* (all usage)	\$0.00327	
Reliability Services* (all usage)	(\$0.00067)	
Public Purpose Programs (all usage)	\$0.01317	(R)
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00107	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00161	(R)
DWR Bond (all usage)	\$0.00503	
California Climate Credit (all usage)***	\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE A-1
SMALL GENERAL SERVICE**

Sheet 8

BILLING:
(Cont'd.)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA /CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00107	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02185	(I)
2010 Vintage	\$0.02588	(I)
2011 Vintage	\$0.02686	(I)
2012 Vintage	\$0.02792	(I)
2013 Vintage	\$0.02811	(I)
2014 Vintage	\$0.02802	(I)
2015 Vintage	\$0.02807	(I)
2016 Vintage	\$0.02783	(I)
2017 Vintage	\$0.02788	(I)
2018 Vintage	\$0.02912	(I)
2019 Vintage	\$0.02930	(N)

CARE
DISCOUNT:

Nonprofit Group-Living Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount pursuant to Schedule E-CARE. CARE customers are exempt from paying the DWR Bond Charge. For CARE customers, no portion of the rates shall be used to pay the DWR bond charge. Generation is calculated residually based on the total rate less the sum of the following: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

STANDBY
APPLICABILITY:

SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



ELECTRIC SCHEDULE A-10
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 3

APPLICABILITY (CONT'D): Qualifying customers with solar systems who meet the requirements in Rule 1 Definition of "Behind-the-Meter Solar TOU Period Grandfathering" and the terms of "Behind-the-Meter Solar TOU Period Grandfathering Eligibility Requirements" shall be permitted to maintain their legacy TOU rate periods, until the date ten years after their system received its permission to operate (but in no event beyond December 31, 2027 (for public schools) or July 31, 2027 (for all other qualifying). However, rates for those TOU rate periods will be updated with new rates as authorized in applicable PG&E rate proceedings and advice filings.

RATES: Standard Non-Time-of-Use Rate

Table A

	TOTAL RATES					
	Secondary Voltage		Primary Voltage		Transmission Voltage	
<u>Total Customer/Meter Charge Rates</u>						
Customer Charge (\$ per meter per day)	\$4.59959		\$4.59959		\$4.59959	
<u>Total Demand Rates (\$ per kW)</u>						
Summer	\$20.21	(l)	\$19.03	(l)	\$13.04	(l)
Winter	\$11.82	(l)	\$12.06	(l)	\$9.12	
<u>Total Energy Rates (\$ per kWh)</u>						
Summer	\$0.17898	(l)	\$0.16686	(l)	\$0.13217	(l)
Winter	\$0.13712	(l)	\$0.13212	(l)	\$0.11064	(l)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



ELECTRIC SCHEDULE A-10
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 4

RATES: Standard Non-Time-of-Use Rates
Table A (Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer and Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

<u>Demand Rate by Components (\$ per kW)</u>	<u>Secondary Voltage</u>		<u>Primary Voltage</u>		<u>Transmission Voltage</u>	
Generation:						
Summer	\$5.68	(I)	\$4.95	(I)	\$3.92	(I)
Winter	\$0.00		\$0.00		\$0.00	
Distribution**:						
Summer	\$6.86	(I)	\$6.41	(I)	\$1.45	
Winter	\$4.15	(I)	\$4.39	(I)	\$1.45	
Transmission Maximum Demand*	\$7.89		\$7.89		\$7.89	
Reliability Services Maximum Demand*	(\$0.22)		(\$0.22)		(\$0.22)	
 <u>Energy Rate by Components (\$ per kWh)</u>						
Generation:						
Summer	\$0.12184	(I)	\$0.11184	(I)	\$0.10222	(I)
Winter	\$0.09354	(I)	\$0.08722	(I)	\$0.08069	(I)
Distribution**:						
Summer	\$0.03413	(I)	\$0.03224	(I)	\$0.00746	(I)
Winter	\$0.02057	(I)	\$0.02212	(I)	\$0.00746	(I)
Transmission Rate Adjustments* (all usage)	\$0.00327		\$0.00327		\$0.00327	
Public Purpose Programs (all usage)	\$0.01181		\$0.01158		\$0.01129	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00112	(I)	\$0.00112	(I)	\$0.00112	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00147	(R)	\$0.00147	(R)	\$0.00147	(R)
California Climate Credit (all usage)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE A-10
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 5

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Table B

	TOTAL RATES		
	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
<u>Total Customer/Meter Charge Rates</u>			
Customer Charge (\$ per meter per day)	\$4.59959	\$4.59959	\$4.59959
<u>Total Demand Rates (\$ per kW)</u>			
Summer	\$20.21 (I)	\$19.03 (I)	\$13.04 (I)
Winter	\$11.82 (I)	\$12.06 (I)	\$9.12
<u>Total Energy Rates (\$ per kWh)</u>			
Peak Summer	\$0.23226 (I)	\$0.21787 (I)	\$0.17848 (I)
Part-Peak Summer	\$0.17713 (I)	\$0.16730 (I)	\$0.13161 (I)
Off-Peak Summer	\$0.14906 (I)	\$0.14068 (I)	\$0.10630 (I)
Part-Peak Winter	\$0.14763 (I)	\$0.14349 (I)	\$0.11982 (I)
Off-Peak Winter	\$0.13056 (I)	\$0.12761 (I)	\$0.10524 (I)
<u>PDP Rates (Consecutive Day and Four-Hour Event Option)*</u>			
<u>PDP Charges (\$ per kWh)</u>			
All Usage During PDP Event	\$0.90	\$0.90	\$0.90
<u>PDP Credits</u>			
<u>Demand (\$ per kW)</u>			
Maximum Summer	(\$3.61)	(\$3.14)	(\$2.46)
<u>Energy (\$ per kWh)</u>			
Peak Summer	(\$0.00261)	(\$0.00380)	(\$0.00733)
Part-Peak Summer	(\$0.00261)	(\$0.00380)	(\$0.00733)
Off-Peak Summer	(\$0.00261)	(\$0.00380)	(\$0.00733)

*See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



ELECTRIC SCHEDULE A-10
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 6

RATES: Time-of-Use Rates for Optional or Real-Time Metering Customers

Table B (Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer and Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

	Secondary Voltage		Primary Voltage		Transmission Voltage	
<u>Demand Rate by Components (\$ per kW)</u>						
Generation:						
Summer	\$5.68	(I)	\$4.95	(I)	\$3.92	(I)
Winter	\$0.00		\$0.00		\$0.00	
Distribution**:						
Summer	\$6.86	(I)	\$6.41	(I)	\$1.45	
Winter	\$4.15	(I)	\$4.39	(I)	\$1.45	
Transmission Maximum Demand*	\$7.89		\$7.89		\$7.89	
Reliability Services Maximum Demand*	(\$0.22)		(\$0.22)		(\$0.22)	
<u>Energy Rate by Components (\$ per kWh)</u>						
Generation:						
Peak Summer	\$0.17512	(I)	\$0.16285	(I)	\$0.14853	(I)
Part-Peak Summer	\$0.11999	(I)	\$0.11228	(I)	\$0.10166	(I)
Off-Peak Summer	\$0.09192	(I)	\$0.08566	(I)	\$0.07635	(I)
Part-Peak Winter	\$0.10405	(I)	\$0.09859	(I)	\$0.08987	(I)
Off-Peak Winter	\$0.08698	(I)	\$0.08271	(I)	\$0.07529	(I)
Distribution**:						
Summer	\$0.03413	(I)	\$0.03224	(I)	\$0.00746	(I)
Winter	\$0.02057	(I)	\$0.02212	(I)	\$0.00746	(I)
Transmission Rate Adjustments* (all usage)	\$0.00327		\$0.00327		\$0.00327	
Public Purpose Programs (all usage)	\$0.01181		\$0.01158		\$0.01129	
Competition Transition Charge (all usage)	\$0.00112	(I)	\$0.00112	(I)	\$0.00112	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00147	(R)	\$0.00147	(R)	\$0.00147	(R)
California Climate Credit (all usage)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE A-10
MEDIUM GENERAL DEMAND-METERED SERVICE

Sheet 10

BILLING:
(Cont'd.)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers

purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00112	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02291	(I)
2010 Vintage	\$0.02711	(I)
2011 Vintage	\$0.02812	(I)
2012 Vintage	\$0.02923	(I)
2013 Vintage	\$0.02943	(I)
2014 Vintage	\$0.02935	(I)
2015 Vintage	\$0.02940	(I)
2016 Vintage	\$0.02914	(I)
2017 Vintage	\$0.02920	(I)
2018 Vintage	\$0.03052	(I)
2019 Vintage	\$0.03064	(N)

CARE
DISCOUNT:

Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from paying the DWR Bond Charge. For CARE customers, no portion of the rates shall be used to pay the DWR bond charge. Generation is calculated residually based on the total rate less the sum of the following: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charge (CTC), and Energy Cost Recovery Amount.

(Continued)



ELECTRIC SCHEDULE A-15
DIRECT-CURRENT GENERAL SERVICE

Sheet 1

APPLICABILITY: This schedule is applicable to direct current lighting service, including lamp socket appliances and, at the customer's option, to direct current service for power and heating alone or combined with lighting on the same meter. This schedule is applicable only to those establishments which continued service under this schedule on and after February 13, 1971.

TERRITORY: Certain downtown areas of San Francisco and Oakland where direct current is available.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Customer Charge Rates

Customer Charge (\$ per meter per day)	\$0.32854
Facility Charge (\$ per meter per day)	\$0.82136

Total Energy Rates (\$ per kWh)

Summer	\$0.26967 (l)
Winter	\$0.20779 (l)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted _____
Effective _____
Resolution _____
April 18, 2019



**ELECTRIC SCHEDULE A-15
DIRECT-CURRENT GENERAL SERVICE**

Sheet 2

UNBUNDLING OF TOTAL RATES

Customer and Facility Charge Rates: Customer charge and Facility rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Components (\$ per kWh)

Generation:

Summer	\$0.13258	(I)
Winter	\$0.09121	(I)

Distribution:**

Summer	\$0.08911	(R)
Winter	\$0.06860	(R)

Transmission* (all usage)	\$0.02419	
Transmission Rate Adjustments* (all usage)	\$0.00327	
Reliability Services* (all usage)	(\$0.00067)	
Public Purpose Programs (all usage)	\$0.01317	(R)
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charge (all usage)	\$0.00107	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00161	(R)
California Climate Credit (all usage)***	\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE A-15
DIRECT-CURRENT GENERAL SERVICE

Sheet 4

BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00107	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02185	(I)
2010 Vintage	\$0.02588	(I)
2011 Vintage	\$0.02686	(I)
2012 Vintage	\$0.02792	(I)
2013 Vintage	\$0.02811	(I)
2014 Vintage	\$0.02802	(I)
2015 Vintage	\$0.02807	(I)
2016 Vintage	\$0.02783	(I)
2017 Vintage	\$0.02788	(I)
2018 Vintage	\$0.02912	(I)
2019 Vintage	\$0.02930	(N)

DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE A-6
SMALL GENERAL TIME-OF-USE SERVICE

Sheet 3

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Customer/Meter Charge Rates

Customer Charge Single-phase (\$ per meter per day)	\$0.32854
Customer Charge Poly-phase (\$ per meter per day)	\$0.65708
Meter Charge (A-6) (\$ per meter per day)	\$0.20107
Meter Charge (W) (\$ per meter per day)	\$0.05914
Meter Charge (X) (\$ per meter per day)	\$0.20107

Total Energy Rates (\$ per kWh)

Peak Summer	\$0.58455	(I)
Part-Peak Summer	\$0.28773	(I)
Off-Peak Summer	\$0.21613	(I)
Part-Peak Winter	\$0.22966	(I)
Off-Peak Winter	\$0.21141	(I)

PDP Rates (Consecutive Day and Four-Hour Event Option) *

PDP Charges (\$ per kWh)

All Usage During PDP Event	\$1.20
----------------------------	--------

PDP Credits

Energy (\$ per kWh)

Peak Summer	(\$0.14528)
Part-Peak Summer	(\$0.02906)

* See PDP Details, section g, for corresponding reduction in PDP credits and charges if other option(s) elected.

(Continued)



ELECTRIC SCHEDULE A-6
SMALL GENERAL TIME-OF-USE SERVICE

Sheet 4

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Components (\$ per kWh)

Generation:

Peak Summer	\$0.38637	(I)
Part-Peak Summer	\$0.14679	(I)
Off-Peak Summer	\$0.08849	(I)
Part-Peak Winter	\$0.11396	(I)
Off-Peak Winter	\$0.09646	(I)

Distribution:**

Peak Summer	\$0.15156	(I)
Part-Peak Summer	\$0.09432	(I)
Off-Peak Summer	\$0.08102	(I)
Part-Peak Winter	\$0.06908	(R)
Off-Peak Winter	\$0.06833	(R)

Transmission* (all usage)	\$0.02419	
DWR Bond (all usage)	\$0.00503	
Transmission Rate Adjustments* (all usage)	\$0.00327	
Reliability Services* (all usage)	(\$0.00067)	
Public Purpose Programs (all usage)	\$0.01181	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00107	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00161	(R)
California Climate Credit (all usage)***	\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE A-6
SMALL GENERAL TIME-OF-USE SERVICE

Sheet 6

COMMON-AREA ACCOUNTS: (Cont'd.) Only those common-area accounts taking service on Schedule E-8 prior to moving to this tariff may return to Schedule E-8.

Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1.

BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges¹, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA /CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00107	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02185	(I)
2010 Vintage	\$0.02588	(I)
2011 Vintage	\$0.02686	(I)
2012 Vintage	\$0.02792	(I)
2013 Vintage	\$0.02811	(I)
2014 Vintage	\$0.02802	(I)
2015 Vintage	\$0.02807	(I)
2016 Vintage	\$0.02783	(I)
2017 Vintage	\$0.02788	(I)
2018 Vintage	\$0.02912	(I)
2019 Vintage	\$0.02930	(N)

CARE DISCOUNT: Nonprofit Group-Living Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from the DWR Bond Charge. For CARE customers, no portion of the rates shall be used to pay the DWR bond charge. Generation is calculated residually based on the total rate less the sum of the following: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

(Continued)



**ELECTRIC SCHEDULE AG-1
AGRICULTURAL POWER**

Sheet 2

1. **APPLICABILITY:** (Cont'd.) Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. The Decision also suspends the transition of eligible AG-1 customers to mandatory TOU rates beginning March 1, 2019 until the rates with new TOU periods, as adopted in the same Decision, become mandatory. The rates with new TOU periods are expected to become mandatory for agricultural customers in March 2021, concurrent with the resumption of customer transitions to mandatory TOU rates.

The transition of eligible customers to mandatory TOU rates will occur once per year with the start of their billing cycle after March 1 (with the first TOU transition starting no earlier than March 1, 2013). Eligible customers will have at least 45 days notice prior to their planned transition date. During the 45-day period, customers will continue to take service on their non-TOU rate. Customers may elect any applicable TOU rate. However, if the customer taking service on this schedule has not made that choice at least five (5) days prior to the planned transition date, their service will be changed to the TOU AG-4A or AG-4B, as applicable, on their transition date.

Depending upon the end-use of electricity, the customer will be served under one of the two rates under Schedule AG-1: Rate A or Rate B.

Rate A: Applies to single-motor installations with a connected load rated less than 35 horsepower and to all multi-load installations aggregating less than 15 horsepower or kilowatts.

Rate B: Applies to single-motor installations rated 35 horsepower or more, to multi-load installations aggregating 15 horsepower or kilowatts or more, and to "overloaded" motors. The customer's end-use is determined to be overloaded when the measured input to any motor rated 15 horsepower or more is determined by PG&E to exceed one kilowatt per horsepower of nameplate rated output.

2. **TERRITORY:** Schedule AG-1 applies everywhere PG&E provides electricity service.

3. **RATES:** Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Rate A		Rate B	
Total Customer Charge Rates (\$ per meter per day)	\$0.57400		\$0.76313	
Total Demand Rates (\$ per kW)				
Connected Load Summer	\$8.86	(l)	-	
Connected Load Winter	\$1.68		-	
Maximum Demand Summer	-		\$12.97	(l)
Maximum Demand Winter	-		\$2.60	
Primary Voltage Discount Summer	-		\$1.36	(l)
Primary Voltage Discount Winter	-		\$0.36	
	-			
Total Energy Rates (\$ per kWh)				
Summer	\$0.30340	(l)	\$0.25968	(l)
Winter	\$0.23183	(l)	\$0.20027	(l)

(Continued)



**ELECTRIC SCHEDULE AG-1
AGRICULTURAL POWER**

Sheet 3

3. RATES: Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand Rate by Components (\$ per kW)	Rate A		Rate B	
Generation:				
Connected Load Summer	\$1.54	(I)	-	
Connected Load Winter	\$0.00		-	
Maximum Demand Summer	-		\$2.32	(I)
Maximum Demand Winter	-		\$0.00	
Primary Voltage Discount Summer	-		\$0.86	(I)
Primary Voltage Discount Winter	-		\$0.00	
Distribution**:				
Connected Load Summer	\$7.32	(I)	-	
Connected Load Winter	\$1.68		-	
Maximum Demand Summer	-		\$10.65	(I)
Maximum Demand Winter	-		\$2.60	
Primary Voltage Discount Summer	-		\$0.50	
Primary Voltage Discount Winter	-		\$0.36	
 Energy Rate by Components (\$ per kWh)				
Generation				
Summer	\$0.11235	(I)	\$0.11606	(I)
Winter	\$0.09011	(I)	\$0.09047	(I)
Distribution**				
Summer	\$0.14799	(I)	\$0.10148	(I)
Winter	\$0.09866	(I)	\$0.06766	(I)
 Transmission*				
Transmission Rate Adjustments*	\$0.01871		\$0.01871	
Reliability Services*	\$0.00329		\$0.00329	
Public Purpose Programs	(\$0.00052)		(\$0.00052)	
Nuclear Decommissioning	\$0.01397	(R)	\$0.01305	(R)
Competition Transition Charges	\$0.00088		\$0.00088	
Energy Cost Recovery Amount	\$0.00095	(R)	\$0.00095	(R)
DWR Bond	(\$0.00057)		(\$0.00057)	
New System Generation Charge**	\$0.00503		\$0.00503	
California Climate Credit (all usage)***	\$0.00132	(R)	\$0.00132	(R)
	\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE AG-1
AGRICULTURAL POWER

Sheet 7

9. SEASONS: Summer season begins on May 1 and ends on October 31.

10. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00095	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01912	(R)
2010 Vintage	\$0.02277	(R)
2011 Vintage	\$0.02363	(R)
2012 Vintage	\$0.02459	(R)
2013 Vintage	\$0.02476	(R)
2014 Vintage	\$0.02466	(R)
2015 Vintage	\$0.02472	(I)
2016 Vintage	\$0.02449	(R)
2017 Vintage	\$0.02454	(R)
2018 Vintage	\$0.02593	(I)
2019 Vintage	\$0.02595	(N)

(Continued)



ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER

Sheet 4

2. TERRITORY: Schedule AG-4 applies everywhere PG&E provides electricity service.
3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Customer/Meter Charge Rates	Rate A,D	Rate B,E	Rate C,F
Customer Charge (\$ per meter per day)	\$0.57400	\$0.76313	\$2.15003
TOU Meter Charge (\$ per meter per day) (for rate A, B & C)	\$0.22341	\$0.19713	\$0.19713
TOU Meter Charge (\$ per meter per day) (for rate D, E & F)	\$0.06571	\$0.03943	\$0.03943
Total Demand Rates (\$ per kW)			
Connected Load Summer	\$9.01 (I)	—	—
Connected Load Winter	\$1.35	—	—
Maximum Demand Summer	—	\$11.02 (I)	\$5.64 (I)
Maximum Demand Winter	—	\$2.53	\$2.72
Maximum Peak Demand Summer	—	\$5.86 (I)	\$13.89 (I)
Maximum Part-Peak Demand Summer	—	—	\$2.65 (I)
Maximum Part-Peak Demand Winter	—	—	\$0.62
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	—	\$1.17 (I)	\$1.54 (I)
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	—	\$0.39	\$0.35
Transmission Voltage Discount			
Maximum Peak Demand Summer	—	—	\$7.23 (I)
Maximum Part-Peak Demand Summer	—	—	\$1.47
Maximum Demand Summer	—	—	\$0.27
Maximum Part-Peak Demand Winter	—	—	\$0.62
Maximum Demand Winter	—	—	\$1.89
Total Energy Rates (\$ per kWh)			
Peak Summer	\$0.48951 (I)	\$0.32110 (I)	\$0.29640 (I)
Part-Peak Summer	—	—	\$0.17070 (I)
Off-Peak Summer	\$0.20992 (I)	\$0.16966 (I)	\$0.12674 (I)
Part-Peak Winter	\$0.21758 (I)	\$0.17003 (I)	\$0.14117 (I)
Off-Peak Winter	\$0.17497 (I)	\$0.14202 (I)	\$0.12161 (I)

(Continued)



**ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER**

Sheet 5

3. RATES:
(Cont'd.)

TOTAL RATES (Cont'd.)

PDP Rates (Rate A and C Options Only)

	RATE A	RATE C
<u>PDP Charges (\$ per kWh)</u>		
All Usage During PDP Event	\$1.00	\$1.00
<u>PDP Credits</u>		
<u>Demand (\$ per kW)</u>		
Peak Summer	-	(\$1.77)
Part-Peak Summer	-	(\$0.30)
Connected Load	(\$0.99)	-
<u>Energy (\$ per kWh)</u>		
Peak Summer	(\$0.03345)	\$0.00000

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted _____
Effective _____
Resolution _____
April 18, 2019



ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER

Sheet 6

3. **RATES:** Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below
(Cont'd.):

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand Rates by Component (\$ per kW)	Rate A,D	Rate B,E	Rate C,F
Generation:			
Connected Load Summer	\$1.56 (I)	-	-
Connected Load Winter	\$0.00	-	-
Maximum Demand Summer	-	\$2.75 (I)	\$0.00
Maximum Demand Winter	-	\$0.00	\$0.00
Maximum Peak Demand Summer	-	\$2.92 (I)	\$6.79 (I)
Maximum Part-Peak Demand Summer	-	-	\$1.16 (I)
Maximum Part-Peak Demand Winter	-	-	\$0.00
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	-	\$0.68 (I)	\$1.17 (I)
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	-	\$0.00	\$0.00
Transmission Voltage Discount			
Maximum Peak Demand Summer	-	-	\$2.17 (I)
Maximum Part-Peak Demand Summer	-	-	(\$0.02)
Maximum Demand Summer	-	-	\$0.00
Maximum Part-Peak Demand Winter	-	-	\$0.00
Maximum Demand Winter	-	-	\$0.00
Distribution**:			
Connected Load Summer	\$7.45 (I)	-	-
Connected Load Winter	\$1.35	-	-
Maximum Demand Summer	-	\$8.27	\$5.64 (I)
Maximum Demand Winter	-	\$2.53	\$2.72
Maximum Peak Demand Summer	-	\$2.94	\$7.10 (I)
Maximum Part-Peak Demand Summer	-	-	\$1.49
Maximum Part-Peak Demand Winter	-	-	\$0.62
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	-	\$0.49	\$0.37
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	-	\$0.39	\$0.35
Transmission Voltage Discount			
Maximum Peak Demand Summer	-	-	\$5.06
Maximum Part-Peak Demand Summer	-	-	\$1.49
Maximum Demand Summer	-	-	\$0.27
Maximum Part-Peak Demand Winter	-	-	\$0.62
Maximum Demand Winter	-	-	\$1.89

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER

Sheet 7

3. RATES:
(Cont'd.):

UNBUNDLING OF TOTAL RATES (Cont'd.)

Energy Rates by Component (\$ per kWh)

Generation:

Peak Summer	\$0.18347	(l)	\$0.13991	(l)	\$0.16183	(l)
Part-Peak Summer	-		-		\$0.09162	(l)
Off-Peak Summer	\$0.07921	(l)	\$0.08120	(l)	\$0.06610	(l)
Part-Peak Winter	\$0.08394	(l)	\$0.07918	(l)	\$0.07334	(l)
Off-Peak Winter	\$0.07152	(l)	\$0.06738	(l)	\$0.06239	(l)

Distribution:**

Peak Summer	\$0.26298	(l)	\$0.13905	(l)	\$0.09243	(l)
Part-Peak Summer	-		-		\$0.03694	(l)
Off-Peak Summer	\$0.08765	(l)	\$0.04632	(l)	\$0.01850	(l)
Part-Peak Winter	\$0.09058	(l)	\$0.04871	(l)	\$0.02569	(l)
Off-Peak Winter	\$0.06039	(l)	\$0.03250	(l)	\$0.01708	(l)

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

Advice 5527-E
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Robert S. Kenney
Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER

Sheet 8

3. RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES (Cont'd.)

Energy Rates by Component (\$ per kWh)	Rate A,D	Rate B,E	Rate C,F
Transmission* (all usage)	\$0.01871	\$0.01871	\$0.01871
Transmission Rate Adjustments* (all usage)	\$0.00329	\$0.00329	\$0.00329
Reliability Services* (all usage)	(\$0.00052)	(\$0.00052)	(\$0.00052)
Public Purpose Programs (all usage)	\$0.01397 (R)	\$0.01305 (R)	\$0.01305 (R)
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00095 (R)	\$0.00095 (R)	\$0.00095 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00132 (R)	\$0.00132 (R)	\$0.00132 (R)
California Climate Credit (all usage)***	\$0.00000	\$0.00000	\$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE AG-4
TIME-OF-USE AGRICULTURAL POWER

Sheet 14

12. DEFINITION OF SERVICE VOLTAGE: The following defines the three voltage classes of Schedule AG-4 rates. Standard Service Voltages are listed in Rule 2, Section B.1.
- a. **Secondary:** This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
 - b. **Primary:** This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option not taking service at the new voltage (and making whatever changes in their system are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

13. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00095	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01912	(R)
2010 Vintage	\$0.02277	(R)
2011 Vintage	\$0.02363	(R)
2012 Vintage	\$0.02459	(R)
2013 Vintage	\$0.02476	(R)
2014 Vintage	\$0.02466	(R)
2015 Vintage	\$0.02472	(I)
2016 Vintage	\$0.02449	(R)
2017 Vintage	\$0.02454	(R)
2018 Vintage	\$0.02593	(I)
2019 Vintage	\$0.02595	(N)

(Continued)



ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Rate A,D	Rate B,E	Rate C,F
Total Customer/Meter Charge Rates			
Customer Charge (\$ per meter per day)	\$0.57400	\$1.19446	\$5.30871
TOU Meter Charge (\$ per meter per day) (for rate A, B & C)	\$0.22341	\$0.19713	\$0.19713
TOU Meter Charge (\$ per meter per day) (for rate D, E & F)	\$0.06571	\$0.03943	\$0.03943
Total Demand Rates (\$ per kW)			
Connected Load Summer	\$13.27 (I)	–	–
Connected Load Winter	\$2.45	–	–
Maximum Demand Summer	–	\$17.38 (I)	\$6.84
Maximum Demand Winter	–	\$6.66	\$4.27
Maximum Peak Demand Summer	–	\$11.24 (I)	\$19.27 (I)
Maximum Part-Peak Demand Summer	–	–	\$3.99 (I)
Maximum Part-Peak Demand Winter	–	–	\$1.02
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	–	\$1.98 (I)	\$2.89 (I)
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	–	\$0.20	\$0.29
Transmission Voltage Discount			
Maximum Peak Demand Summer	–	–	\$11.91 (I)
Maximum Part-Peak Demand Summer	–	–	\$1.74
Maximum Demand Summer	–	\$12.97 (I)	\$3.89
Maximum Part-Peak Demand Winter	–	–	\$1.02
Maximum Demand Winter	–	\$5.73	\$2.80 (I)

(Continued)

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Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
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April 18, 2019



**ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER**

Sheet 5

3. RATES:
(Cont'd.)

TOTAL RATES (Cont'd.)

Total Energy Rates (\$ per kWh)	Rate A, D		Rate B, E		Rate C, F	
Peak Summer	\$0.33875	(l)	\$0.23363	(l)	\$0.18012	(l)
Part-Peak Summer	-		-		\$0.12117	(l)
Off-Peak Summer	\$0.16904	(l)	\$0.09773	(l)	\$0.09923	(l)
Part-Peak Winter	\$0.17844	(l)	\$0.12103	(l)	\$0.10581	(l)
Off-Peak Winter	\$0.14972	(l)	\$0.08810	(l)	\$0.09583	(l)

PDP Rates (Rate C Option Only)

RATE C

PDP Charges (\$ per kWh)

All Usage During PDP Event

\$1.00

PDP Credits

Demand (\$ per kW)

Peak Summer

(\$3.39)

Part-Peak Summer

(\$0.64)

(Continued)



ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER

Sheet 6

3. RATES: Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand Rates by Component (\$ per kW)	Rate A,D	Rate B,E	Rate C,F
Generation:			
Connected Load Summer	\$4.24 (I)	-	-
Connected Load Winter	\$0.00	-	-
Maximum Demand Summer	-	\$5.16 (I)	\$0.00
Maximum Demand Winter	-	\$0.00	\$0.00
Maximum Peak Demand Summer	-	\$6.45 (I)	\$11.97 (I)
Maximum Part-Peak Demand Summer	-	-	\$2.25 (I)
Maximum Part-Peak Demand Winter	-	-	\$0.00
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	-	\$1.62 (I)	\$2.46 (I)
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	-	\$0.00	\$0.00
Transmission Voltage Discount			
Maximum Peak Demand Summer	-	-	\$4.61 (I)
Maximum Part-Peak Demand Summer	-	-	\$0.00
Maximum Demand Summer	-	\$2.82 (I)	\$0.00
Maximum Part-Peak Demand Winter	-	-	\$0.00
Maximum Demand Winter	-	\$0.00	\$0.00

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
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April 18, 2019



ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER

Sheet 7

3.RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES (Cont'd.)

Distribution:**

Connected Load Summer	\$9.03	-	-	-
Connected Load Winter	\$2.45	-	-	-
Maximum Demand Summer	-	\$12.22	(I)	\$6.84
Maximum Demand Winter	-	\$6.66		\$4.27
Maximum Peak Demand Summer	-	\$4.79	(I)	\$7.30
Maximum Part-Peak Demand Summer	-	-		\$1.74
Maximum Part-Peak Demand Winter	-	-		\$1.02
Primary Voltage Discount Summer (B, E per Maximum Demand; C, F per Maximum Peak Demand)	-	\$0.36		\$0.43
Primary Voltage Discount Winter (B, E, C, F per Maximum Demand)	-	\$0.20		\$0.29
Transmission Voltage Discount				
Maximum Peak Demand Summer	-	-		\$7.30
Maximum Part-Peak Demand Summer	-	-		\$1.74
Maximum Demand Summer	-	\$10.15	(I)	\$3.89
Maximum Part-Peak Demand Winter	-	-		\$1.02
Maximum Demand Winter	-	\$5.73		\$2.80 (I)

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

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Vice President, Regulatory Affairs

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**ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER**

Sheet 8

3. RATES:
(Cont'd.):

UNBUNDLING OF TOTAL RATES (Cont'd.)

Energy Rates by Component (\$ per kWh)	Rate A,D		Rate B,E		Rate C,F	
Generation:						
Peak Summer	\$0.17023	(I)	\$0.16834	(I)	\$0.13949	(I)
Part-Peak Summer	-		-		\$0.08054	(I)
Off-Peak Summer	\$0.08417	(I)	\$0.05659	(I)	\$0.05860	(I)
Part-Peak Winter	\$0.08815	(I)	\$0.07989	(I)	\$0.06518	(I)
Off-Peak Winter	\$0.07518	(I)	\$0.04696	(I)	\$0.05520	(I)
Distribution**:						
Peak Summer	\$0.12546	(I)	\$0.02578	(I)	\$0.00112	
Part-Peak Summer	-		-		\$0.00112	
Off-Peak Summer	\$0.04181	(I)	\$0.00163		\$0.00112	
Part-Peak Winter	\$0.04723	(I)	\$0.00163		\$0.00112	
Off-Peak Winter	\$0.03148	(I)	\$0.00163		\$0.00112	
Transmission* (all usage)	\$0.01871		\$0.01871		\$0.01871	
Transmission Rate Adjustments* (all usage)	\$0.00329		\$0.00329		\$0.00329	
Reliability Services* (all usage)	(\$0.00052)		(\$0.00052)		(\$0.00052)	
Public Purpose Programs (all usage)	\$0.01397	(R)	\$0.01042	(R)	\$0.01042	(R)
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00095	(R)	\$0.00095	(R)	\$0.00095	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00132	(R)	\$0.00132	(R)	\$0.00132	(R)
California Climate Credit (all usage)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE AG-5
LARGE TIME-OF-USE AGRICULTURAL POWER

Sheet 14

12. DEFINITION OF SERVICE VOLTAGE:

The following defines the three voltage classes of Schedule AG-5 rates. Standard Service Voltages are listed in Rule 2, Section B.1.

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.
- c. Transmission: This is the voltage class if the customer is served without transformation from PG&E's serving transmission system at one of the standard transmission voltages specified in PG&E's Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option of taking service at the new voltage (and making whatever changes in their systems are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

13. BILLING:

A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA /CCA CRS</u>
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)
DWR Bond Charge (per kWh)	\$0.00503
CTC Charge (per kWh)	\$0.00095 (R)
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.01912 (R)
2010 Vintage	\$0.02277 (R)
2011 Vintage	\$0.02363 (R)
2012 Vintage	\$0.02459 (R)
2013 Vintage	\$0.02476 (R)
2014 Vintage	\$0.02466 (R)
2015 Vintage	\$0.02472 (I)
2016 Vintage	\$0.02449 (R)
2017 Vintage	\$0.02454 (R)
2018 Vintage	\$0.02593 (I)
2019 Vintage	\$0.02595 (N)

(Continued)



ELECTRIC SCHEDULE AG-R
SPLIT-WEEK TIME-OF-USE AGRICULTURAL POWER

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Rate A,D	Rate B,E
Total Customer/Meter Charge Rates		
Customer Charge (\$ per meter per day)	\$0.57400	\$0.76313
TOU Meter Charge (\$ per meter per day) (for rate A & B)	\$0.22341	\$0.19713
TOU Meter Charge (\$ per meter per day) (for rate D & E)	\$0.06571	\$0.03943
Total Demand Rates (\$ per kW)		
Connected Load Summer	\$7.89 (I)	-
Connected Load Winter	\$1.28	-
Maximum Peak Demand Summer	-	\$4.22 (I)
Maximum Demand Summer	-	\$10.79 (I)
Maximum Demand Winter	-	\$2.15
Primary Voltage Discount Summer	-	\$0.95 (I)
Primary Voltage Discount Winter	-	\$0.35
Total Energy Rates (\$ per kWh)		
Peak Summer	\$0.58849 (I)	\$0.53269 (I)
Off-Peak Summer	\$0.19961 (I)	\$0.18977 (I)
Part-Peak Winter	\$0.20397 (I)	\$0.17757 (I)
Off-Peak Winter	\$0.16625 (I)	\$0.14557 (I)

(Continued)



ELECTRIC SCHEDULE AG-R
SPLIT-WEEK TIME-OF-USE AGRICULTURAL POWER

Sheet 5

3. **RATES:** Total bundled service charges shown on customers' bills are unbundled
(Cont'd.) according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand by Components (\$ per kW)	Rate A,D	Rate B,E
Generation:		
Connected Load Summer	\$1.52 (I)	-
Connected Load Winter	\$0.00	-
Maximum Peak Demand Summer	-	\$2.54 (I)
Maximum Demand Summer	-	\$2.26 (I)
Maximum Demand Winter	-	\$0.00
Primary Voltage Discount Summer	-	\$0.58 (I)
Primary Voltage Discount Winter	-	\$0.00
Distribution**:		
Connected Load Summer	\$6.37	-
Connected Load Winter	\$1.28	-
Maximum Peak Demand Summer	-	\$1.68
Maximum Demand Summer	-	\$8.53 (I)
Maximum Demand Winter	-	\$2.15
Primary Voltage Discount Summer	-	\$0.37
Primary Voltage Discount Winter	-	\$0.35
Energy Rate by Components (\$ per kWh)		
Generation:		
Peak Summer	\$0.30989 (I)	\$0.28078 (I)
Off-Peak Summer	\$0.07805 (I)	\$0.07773 (I)
Part-Peak Winter	\$0.08630 (I)	\$0.07130 (I)
Off-Peak Winter	\$0.07347 (I)	\$0.06073 (I)
Distribution**:		
Peak Summer	\$0.23554 (I)	\$0.20977 (I)
Off-Peak Summer	\$0.07850 (I)	\$0.06990 (I)
Part-Peak Winter	\$0.07461 (I)	\$0.06413 (I)
Off-Peak Winter	\$0.04972 (I)	\$0.04270 (I)
Transmission* (all usage)	\$0.01871	\$0.01871
Reliability Services* (all usage)	(\$0.00052)	(\$0.00052)
Transmission Rate Adjustments* (all usage)	\$0.00329	\$0.00329
Public Purpose Programs (all usage)	\$0.01397 (R)	\$0.01305 (R)
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00095 (R)	\$0.00095 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00132 (R)	\$0.00132 (R)
California Climate Credit (all usage)***	\$0.00000	\$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE AG-R
SPLIT-WEEK TIME-OF-USE AGRICULTURAL POWER

Sheet 9

10. MAXIMUM-PEAK-PERIOD DEMAND (Rates B and E Only):

The customer's maximum-peak-period demand will be the highest of all the 15-minute averages for the peak period during the billing month.

1. DEFINITION OF SERVICE VOLTAGE:

The following defines the three voltage classes of Schedule AG-R rates. Standard Service Voltages are listed in Rule 2, Section B.1.

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option of taking service at the new voltage (and making whatever changes in their systems are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

2. BILLING:

A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)
DWR Bond Charge (per kWh)	\$0.00503
CTC Charge (per kWh)	\$0.00095 (R)
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.01912 (R)
2010 Vintage	\$0.02277 (R)
2011 Vintage	\$0.02363 (R)
2012 Vintage	\$0.02459 (R)
2013 Vintage	\$0.02476 (R)
2014 Vintage	\$0.02466 (R)
2015 Vintage	\$0.02472 (I)
2016 Vintage	\$0.02449 (R)
2017 Vintage	\$0.02454 (R)
2018 Vintage	\$0.02593 (I)
2019 Vintage	\$0.02595 (N)

(Continued)



ELECTRIC SCHEDULE AG-V
SHORT-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 4

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Customer/Meter Charge Rates	Rate A,D		Rate B,E	
Customer Charge (\$ per meter per day)	\$0.57400		\$0.76313	
TOU Meter Charge (\$ per meter per day) (for rate A & B)	\$0.22341		\$0.19713	
TOU Meter Charge (\$ per meter per day) (for rate D & E)	\$0.06571		\$0.03943	
Total Demand Rates (\$ per kW)				
Connected Load Summer	\$7.95	(I)	-	
Connected Load Winter	\$1.33		-	
Maximum Peak Demand Summer	-		\$4.22	(I)
Maximum Demand Summer	-		\$10.90	(I)
Maximum Demand Winter	-		\$2.13	
Primary Voltage Discount Summer	-		\$1.03	(I)
Primary Voltage Discount Winter	-		\$0.34	
Total Energy Rates (\$ per kWh)				
Peak Summer	\$0.54947	(I)	\$0.49607	(I)
Off-Peak Summer	\$0.19635	(I)	\$0.18526	(I)
Part-Peak Winter	\$0.20564	(I)	\$0.17559	(I)
Off-Peak Winter	\$0.16701	(I)	\$0.14446	(I)

(Continued)

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Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE AG-V
SHORT-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 5

3. **RATES:** Total bundled service charges shown on customers' bills are unbundled according to the (Cont'd.) component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer/Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand Rates by Component (\$ per kW)

Generation:

	Rate A,D		Rate B,E	
Connected Load Summer	\$1.59	(I)	-	
Connected Load Winter	\$0.00		-	
Maximum Peak Demand Summer	-		\$2.69	(I)
Maximum Demand Summer	-		\$2.09	(I)
Maximum Demand Winter	-		\$0.00	
Primary Voltage Discount Summer	-		\$0.62	(I)
Primary Voltage Discount Winter	-		\$0.00	

Distribution:**

Connected Load Summer	\$6.36		-	
Connected Load Winter	\$1.33		-	
Maximum Peak Demand Summer	-		\$1.53	
Maximum Demand Summer	-		\$8.81	(I)
Maximum Demand Winter	-		\$2.13	
Primary Voltage Discount Summer	-		\$0.41	
Primary Voltage Discount Winter	-		\$0.34	

Energy Rate by Components (\$ per kWh)

Generation:

Peak Summer	\$0.27113	(I)	\$0.25382	(I)
Off-Peak Summer	\$0.07489	(I)	\$0.07640	(I)
Part-Peak Winter	\$0.08454	(I)	\$0.07231	(I)
	\$0.07196	(I)	\$0.06157	(I)

Distribution:**

Peak Summer	\$0.23528	(I)	\$0.20011	(I)
Off-Peak Summer	\$0.07840	(I)	\$0.06672	(I)
Part-Peak Winter	\$0.07804	(I)	\$0.06114	(I)
Off-Peak Winter	\$0.05199	(I)	\$0.04075	(I)

Transmission* (all usage)	\$0.01871		\$0.01871	
Transmission Rate Adjustments* (all usage)	\$0.00329		\$0.00329	
Reliability Services* (all usage)	(\$0.00052)		(\$0.00052)	
Public Purpose Programs (all usage)	\$0.01397	(R)	\$0.01305	(R)
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00095	(R)	\$0.00095	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00132	(R)	\$0.00132	(R)
California Climate Credit (all usage)***	\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE AG-V
SHORT-PEAK TIME-OF-USE AGRICULTURAL POWER

Sheet 11

12. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)
DWR Bond Charge (per kWh)	\$0.00503
CTC Charge (per kWh)	\$0.00095 (R)
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.01912 (R)
2010 Vintage	\$0.02277 (R)
2011 Vintage	\$0.02363 (R)
2012 Vintage	\$0.02459 (R)
2013 Vintage	\$0.02476 (R)
2014 Vintage	\$0.02466 (R)
2015 Vintage	\$0.02472 (I)
2016 Vintage	\$0.02449 (R)
2017 Vintage	\$0.02454 (R)
2018 Vintage	\$0.02593 (I)
2019 Vintage	\$0.02595 (N)

(Continued)



**ELECTRIC SCHEDULE E-1
RESIDENTIAL SERVICES**

Sheet 1

APPLICABILITY: This schedule is applicable to single-phase and polyphase residential service in single-family dwellings and in flats and apartments separately metered by PG&E; to single-phase and polyphase service in common areas in a multifamily complex (see Special Condition 8); and to all single-phase and polyphase farm service on the premises operated by the person whose residence is supplied through the same meter.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule E-1 charges. See Special Conditions 11 and 12 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges (CTC), New System Generation Charges, and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	
Baseline Usage	\$0.22554 (I)
101% - 400% of Baseline	\$0.28382 (I)
High Usage Over 400% of Baseline	\$0.49726 (I)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)

(Continued)



**ELECTRIC SCHEDULE E-1
RESIDENTIAL SERVICES**

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.09561	(I)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.04013)	(R)
101% - 400% of Baseline	\$0.01815	(R)
High Usage Over 400% of Baseline	\$0.23159	(R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE E-1
RESIDENTIAL SERVICES**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

9. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, the franchise fee surcharge, New System Generation Charges, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA /CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

10. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 4

3. Rates: (Cont'd.)

TOTAL RATES			
	Secondary Voltage	Primary Voltage	Transmission Voltage
Total Customer/Meter Charge Rates			
Customer Charge Mandatory E-19			
(\$ per meter per day)	\$19.71253	\$32.85421	\$59.13758
Customer Charge Voluntary E-19:			
<u>Customer Charge with SmartMeter™</u>			
(\$ per meter per day)	\$4.59959	\$4.59959	\$4.59959
<u>Customer Charge without SmartMeter™</u>			
Customer Charge Rate V (\$ per meter per day)	\$4.77700	\$4.77700	\$4.77700
Customer Charge Rate W (\$ per meter per day)	\$4.63507	\$4.63507	\$4.63507
Customer Charge Rate X (\$ per meter per day)	\$4.77700	\$4.77700	\$4.77700
<u>Total Demand Rates (\$ per kW)</u>			
Maximum Peak Demand Summer	\$21.32 (I)	\$19.02 (I)	\$14.39 (I)
Maximum Part-Peak Demand Summer	\$5.89 (I)	\$5.18 (I)	\$3.61 (I)
Maximum Demand Summer	\$19.50 (R)	\$16.15 (R)	\$10.53 (R)
Maximum Part-Peak Demand Winter	\$0.13	\$0.16	\$0.00
Maximum Demand Winter	\$19.50 (R)	\$16.15 (R)	\$10.53 (R)
<u>Total Energy Rates (\$ per kWh)</u>			
Peak Summer	\$0.16850 (I)	\$0.15663 (I)	\$0.11476 (I)
Part-Peak Summer	\$0.12136 (I)	\$0.11213 (I)	\$0.10016 (I)
Off-Peak Summer	\$0.09013 (I)	\$0.08353 (I)	\$0.08084 (I)
Part-Peak Winter	\$0.11490 (I)	\$0.10612 (I)	\$0.10246 (I)
Off-Peak Winter	\$0.09788 (I)	\$0.09060 (I)	\$0.08762 (I)
Power Factor Adjustment Rate (\$/kWh/%)	\$0.00005	\$0.00005	\$0.00005
<u>PDP Rates</u>			
<u>PDP Charges (\$ per kWh)</u>			
All Usage During PDP Event	\$1.20	\$1.20	\$1.20
<u>PDP Credits</u>			
<u>Demand (\$ per kW)</u>			
Peak Summer	(\$5.82)	(\$5.66)	(\$4.20)
Part-Peak Summer	(\$1.44)	(\$1.38)	(\$1.05)
<u>Energy (\$ per kWh)</u>			
Peak Summer	\$0.00000	\$0.00000	\$0.00000
Part-Peak Summer	\$0.00000	\$0.00000	\$0.00000

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

(Continued)

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Robert S. Kenney
Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 5

3. Rates: (Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer and meter charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

<u>Demand Rates by Components (\$ per kW)</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Generation:			
Maximum Peak Demand Summer	\$14.71 (I)	\$13.09 (I)	\$14.39 (I)
Maximum Part-Peak Demand Summer	\$3.63 (I)	\$3.19 (I)	\$3.61 (I)
Maximum Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Winter	\$0.00	\$0.00	\$0.00
Maximum Demand Winter	\$0.00	\$0.00	\$0.00
Distribution**:			
Maximum Peak Demand Summer	\$6.61 (R)	\$5.93 (R)	\$0.00
Maximum Part-Peak Demand Summer	\$2.26 (R)	\$1.99 (R)	\$0.00
Maximum Demand Summer	\$11.41 (R)	\$8.06 (R)	\$2.44 (R)
Maximum Part-Peak Demand Winter	\$0.13	\$0.16	\$0.00
Maximum Demand Winter	\$11.41 (R)	\$8.06 (R)	\$2.44 (R)
Transmission Maximum Demand*	\$7.89	\$7.89	\$7.89
Reliability Services Maximum Demand*	\$0.20	\$0.20	\$0.20

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 6

3. Rates: (Cont'd.)

UNBUNDLING OF TOTAL RATES (Cont'd.)

Energy Charges by Components (\$ per kWh)	Secondary Voltage		Primary Voltage		Transmission Voltage	
Generation:						
Peak Summer	\$0.14610	(I)	\$0.13493	(I)	\$0.09306	(I)
Part-Peak Summer	\$0.09896	(I)	\$0.09043	(I)	\$0.07846	(I)
Off-Peak Summer	\$0.06773	(I)	\$0.06183	(I)	\$0.05914	(I)
Part-Peak Winter	\$0.09250	(I)	\$0.08442	(I)	\$0.08076	(I)
Off-Peak Winter	\$0.07548	(I)	\$0.06890	(I)	\$0.06592	(I)
Distribution**:						
Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Part-Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Off-Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Part-Peak Winter	\$0.00000		\$0.00000		\$0.00000	
Off-Peak Winter	\$0.00000		\$0.00000		\$0.00000	
Transmission Rate Adjustments* (all usage)	\$0.00327		\$0.00327		\$0.00327	
Public Purpose Programs (all usage)	\$0.01129		\$0.01059	(R)	\$0.01059	(R)
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charge (all usage)	\$0.00103	(I)	\$0.00103	(I)	\$0.00103	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00147	(R)	\$0.00147	(R)	\$0.00147	(R)
California Climate Credit (all usage – E-19V only)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 7

3. Rates: (Cont'd.)

TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 20)

	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
<u>Total Customer/Meter Charge Rates</u>			
Customer Charge Mandatory E-19 (\$ per meter per day)	\$19.71253	\$32.85421	\$59.13758
Customer Charge Voluntary E-19:			
<u>Customer Charge with SmartMeter™</u> (\$ per meter per day)	\$4.59959	\$4.59959	\$4.59959
<u>Customer Charge without SmartMeter™</u>			
Customer Charge Rate V (\$ per meter per day)	\$4.77700	\$4.77700	\$4.77700
Customer Charge Rate W (\$ per meter per day)	\$4.63507	\$4.63507	\$4.63507
Customer Charge Rate X (\$ per meter per day)	\$4.77700	\$4.77700	\$4.77700
<u>Total Demand Rates (\$ per kW)</u>			
Maximum Peak Demand Summer	\$1.65 (R)	\$1.48 (R)	\$0.00
Maximum Part-Peak Demand Summer	\$0.57	\$0.50	\$0.00
Maximum Demand Summer	\$19.50 (R)	\$16.15 (R)	\$10.53 (R)
Maximum Part-Peak Demand Winter	\$0.03	\$0.04	\$0.00
Maximum Demand Winter	\$19.50 (R)	\$16.15 (R)	\$10.53 (R)
<u>Total Energy Rates (\$ per kWh)</u>			
Peak Summer	\$0.42123 (I)	\$0.41439 (I)	\$0.36194 (I)
Part-Peak Summer	\$0.17578 (I)	\$0.16599 (I)	\$0.15364 (I)
Off-Peak Summer	\$0.09013 (I)	\$0.08353 (I)	\$0.08084 (I)
Part-Peak Winter	\$0.11546 (I)	\$0.10687 (I)	\$0.10246 (I)
Off-Peak Winter	\$0.09788 (I)	\$0.09060 (I)	\$0.08762 (I)
Power Factor Adjustment Rate (\$/kWh%)	\$0.00005	\$0.00005	\$0.00005

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

(Continued)

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ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 8

3. Rates: (Cont'd.)

UNBUNDLING OF TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 20)

Customer/Meter Charge Rates: Customer and meter charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

<u>Demand Rates by Components (\$ per kW)</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Generation:			
Maximum Peak Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Winter	\$0.00	\$0.00	\$0.00
Maximum Demand Winter	\$0.00	\$0.00	\$0.00
Distribution**:			
Maximum Peak Demand Summer	\$1.65 (R)	\$1.48 (R)	\$0.00
Maximum Part-Peak Demand Summer	\$0.57	\$0.50	\$0.00
Maximum Demand Summer	\$11.41 (R)	\$8.06 (R)	\$2.44 (R)
Maximum Part-Peak Demand Winter	\$0.03	\$0.04	\$0.00
Maximum Demand Winter	\$11.41 (R)	\$8.06 (R)	\$2.44 (R)
Transmission Maximum Demand*	\$7.89	\$7.89	\$7.89
Reliability Services Maximum Demand*	\$0.20	\$0.20	\$0.20

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 9

3. Rates: (Cont'd.)

UNBUNDLING OF TOTAL RATES FOR OPTION R (Cont'd.)
(for qualifying solar customers as set forth in Section 20)

Customer/Meter Charge Rates: Customer and meter charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

<u>Energy Charges by Components (\$ per kWh)</u>	<u>Secondary Voltage</u>		<u>Primary Voltage</u>		<u>Transmission Voltage</u>	
Generation:						
Peak Summer	\$0.33654	(I)	\$0.32673	(I)	\$0.34024	(I)
Part-Peak Summer	\$0.13646	(I)	\$0.12728	(I)	\$0.13194	(I)
Off-Peak Summer	\$0.06773	(I)	\$0.06183	(I)	\$0.05914	(I)
Part-Peak Winter	\$0.09250	(I)	\$0.08442	(I)	\$0.08076	(I)
Off-Peak Winter	\$0.07548	(I)	\$0.06890	(I)	\$0.06592	(I)
Distribution**:						
Peak Summer	\$0.06229	(I)	\$0.06596	(I)	\$0.00000	
Part-Peak Summer	\$0.01692	(R)	\$0.01701	(I)	\$0.00000	
Off-Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Part-Peak Winter	\$0.00056	(I)	\$0.00075	(I)	\$0.00000	
Off-Peak Winter	\$0.00000		\$0.00000		\$0.00000	
Transmission Rate Adjustments* (all usage)	\$0.00327		\$0.00327		\$0.00327	
Public Purpose Programs (all usage)	\$0.01129		\$0.01059	(R)	\$0.01059	(R)
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charge (all usage)	\$0.00103	(I)	\$0.00103	(I)	\$0.00103	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00147	(R)	\$0.00147	(R)	\$0.00147	(R)
California Climate Credit (all usage – E-19V only)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



ELECTRIC SCHEDULE E-19
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

Sheet 16

14. BILLING:
(Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00103	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02123	(I)
2010 Vintage	\$0.02503	(I)
2011 Vintage	\$0.02596	(I)
2012 Vintage	\$0.02698	(I)
2013 Vintage	\$0.02716	(I)
2014 Vintage	\$0.02708	(I)
2015 Vintage	\$0.02713	(I)
2016 Vintage	\$0.02690	(I)
2017 Vintage	\$0.02695	(I)
2018 Vintage	\$0.02800	(I)
2019 Vintage	\$0.02817	(N)

15. CARE
DISCOUNT
FOR
NONPROFIT
GROUP-
LIVING AND
SPECIAL
EMPLOYEE
HOUSING
FACILITIES:

Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from paying the DWR Bond Charge rate component. For CARE customers, no portion of the rates shall be used to pay the DWR bond charge. Generation is calculated residually based on the total rate less the sum of the following: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges¹, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

(Continued)



ELECTRIC SCHEDULE E-20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

Sheet 3

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Secondary Voltage		Primary Voltage		Transmission Voltage
	_____		_____		_____
<u>Total Customer/Meter Charge Rates</u>					
Customer Charge Mandatory E-20 (\$ per meter per day)	\$39.42505		\$49.28131		\$65.70842
<u>Total Demand Rates (\$ per kW)</u>					
Maximum Peak Demand Summer	\$20.56 (I)		\$22.04 (I)		\$18.62 (I)
Maximum Part-Peak Demand Summer	\$5.67 (I)		\$5.84 (I)		\$4.44 (I)
Maximum Demand Summer	\$19.59 (R)		\$17.17 (R)		\$9.67 (R)
Maximum Part-Peak Demand Winter	\$0.05		\$0.14		\$0.00
Maximum Demand Winter	\$19.59 (R)		\$17.17 (R)		\$9.67 (R)
<u>Total Energy Rates (\$ per kWh)</u>					
Peak Summer	\$0.15788 (I)		\$0.15988 (I)		\$0.11123 (I)
Part-Peak Summer	\$0.11495 (I)		\$0.11265 (I)		\$0.09690 (I)
Off-Peak Summer	\$0.08547 (I)		\$0.08359 (I)		\$0.07793 (I)
Part-Peak Winter	\$0.10871 (I)		\$0.10642 (I)		\$0.09915 (I)
Off-Peak Winter	\$0.09274		\$0.09073 (I)		\$0.08458 (I)
Power Factor Adjustment Rate (\$/kWh/%)	\$0.00005		\$0.00005		\$0.00005
<u>PDP Rates</u>					
<u>PDP Charges (\$ per kWh)</u>					
All Usage During PDP Event	\$1.20		\$1.20		\$1.20
<u>PDP Credits</u>					
<u>Demand (\$ per kW)</u>					
Peak Summer	(\$5.69)		(\$6.22)		(\$5.95)
Part-Peak Summer	(\$1.40)		(\$1.47)		(\$1.42)
<u>Energy (\$ per kWh)</u>					
Peak Summer	\$0.00000		\$0.00000		\$0.00000
Part-Peak Summer	\$0.00000		\$0.00000		\$0.00000

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

(Continued)

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ELECTRIC SCHEDULE E-20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

Sheet 4

3. RATES: (Cont'd.)

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer and meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Demand Rates by Component (\$ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Maximum Peak Demand Summer	\$14.27 (I)	\$15.63 (I)	\$18.62 (I)
Maximum Part-Peak Demand Summer	\$3.52 (I)	\$3.70 (I)	\$4.44 (I)
Maximum Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Winter	\$0.00	\$0.00	\$0.00
Maximum Demand Winter	\$0.00	\$0.00	\$0.00
Distribution**:			
Maximum Peak Demand Summer	\$6.29 (R)	\$6.41 (R)	\$0.00
Maximum Part-Peak Demand Summer	\$2.15	\$2.14 (R)	\$0.00
Maximum Demand Summer	\$10.73 (R)	\$8.31 (R)	\$0.81 (R)
Maximum Part-Peak Demand Winter	\$0.05	\$0.14	\$0.00
Maximum Demand Winter	\$10.73 (R)	\$8.31 (R)	\$0.81 (R)
Transmission Maximum Demand*	\$8.61	\$8.61	\$8.61
Reliability Services Maximum Demand*	\$0.25	\$0.25	\$0.25
<u>Energy Rates by Component (\$ per kWh)</u>			
Generation:			
Peak Summer	\$0.13597 (I)	\$0.13876 (I)	\$0.09137 (I)
Part-Peak Summer	\$0.09304 (I)	\$0.09153 (I)	\$0.07704 (I)
Off-Peak Summer	\$0.06356 (I)	\$0.06247 (I)	\$0.05807 (I)
Part-Peak Winter	\$0.08680 (I)	\$0.08530 (I)	\$0.07929 (I)
Off-Peak Winter	\$0.07083 (I)	\$0.06961 (I)	\$0.06472 (I)
Distribution**:			
Peak Summer	\$0.00000	\$0.00000	\$0.00000
Part-Peak Summer	\$0.00000	\$0.00000	\$0.00000
Off-Peak Summer	\$0.00000	\$0.00000	\$0.00000
Part-Peak Winter	\$0.00000	\$0.00000	\$0.00000
Off-Peak Winter	\$0.00000	\$0.00000	\$0.00000
Transmission Rate Adjustments* (all usage)	\$0.00329	\$0.00329	\$0.00329
Public Purpose Programs (all usage)	\$0.01107 (R)	\$0.01033	\$0.00913 (R)
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charge (all usage)	\$0.00099 (I)	\$0.00094 (I)	\$0.00088 (I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00122 (R)	\$0.00122 (R)	\$0.00122 (R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE E-20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

Sheet 5

3. RATES: (Cont'd.)

TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 18)

	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
<u>Total Customer/Meter Charge Rates</u>			
Customer Charge Mandatory E-20 (\$ per meter per day)	\$39.42505	\$49.28131	\$65.70842
<u>Total Demand Rates (\$ per kW)</u>			
Maximum Peak Demand Summer	\$1.57	\$1.60	\$0.00
Maximum Part-Peak Demand Summer	\$0.54	\$0.54	\$0.00
Maximum Demand Summer	\$19.59 (R)	\$17.17 (R)	\$9.67 (R)
Maximum Part-Peak Demand Winter	\$0.01	\$0.03	\$0.00
Maximum Demand Winter	\$19.59 (R)	\$17.17 (R)	\$9.67 (R)
<u>Total Energy Rates (\$ per kWh)</u>			
Peak Summer	\$0.37680 (I)	\$0.39559 (I)	\$0.33201 (I)
Part-Peak Summer	\$0.16596 (I)	\$0.16275 (I)	\$0.14926 (I)
Off-Peak Summer	\$0.08547 (I)	\$0.08359 (I)	\$0.08707 (I)
Part-Peak Winter	\$0.10892 (I)	\$0.10695 (I)	\$0.10829 (I)
Off-Peak Winter	\$0.09274 (I)	\$0.09073 (I)	\$0.09372 (I)
Power Factor Adjustment Rate (\$/kWh/%)	\$0.00005	\$0.00005	\$0.00005

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. PDP charges and credits are all generation and are not included below.

(Continued)

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ELECTRIC SCHEDULE E-20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

Sheet 6

3. Rates: (Cont'd.)

UNBUNDLING OF TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 18)

Customer/Meter Charge Rates: Customer and meter charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

<u>Demand Rates by Components (\$ per kW)</u>	<u>Secondary Voltage</u>	<u>Primary Voltage</u>	<u>Transmission Voltage</u>
Generation:			
Maximum Peak Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Demand Summer	\$0.00	\$0.00	\$0.00
Maximum Part-Peak Demand Winter	\$0.00	\$0.00	\$0.00
Maximum Demand Winter	\$0.00	\$0.00	\$0.00
Distribution**:			
Maximum Peak Demand Summer	\$1.57	\$1.60	\$0.00
Maximum Part-Peak Demand Summer	\$0.54	\$0.54	\$0.00
Maximum Demand Summer	\$10.73 (R)	\$8.31 (R)	\$0.81 (R)
Maximum Part-Peak Demand Winter	\$0.01	\$0.03	\$0.00
Maximum Demand Winter	\$10.73 (R)	\$8.31 (R)	\$0.81 (R)
Transmission Maximum Demand*	\$8.61	\$8.61	\$8.61
Reliability Services Maximum Demand*	\$0.25	\$0.25	\$0.25
<u>Energy Rates by Component (\$ per kWh)</u>			
Generation:			
Peak Summer	\$0.30078 (I)	\$0.31955 (I)	\$0.30301 (I)
Part-Peak Summer	\$0.12873 (I)	\$0.12684 (I)	\$0.12026 (I)
Off-Peak Summer	\$0.06356 (I)	\$0.06247 (I)	\$0.05807 (I)
Part-Peak Winter	\$0.08680 (I)	\$0.08530 (I)	\$0.07929 (I)
Off-Peak Winter	\$0.07083 (I)	\$0.06961 (I)	\$0.06472 (I)
Distribution**:			
Peak Summer	\$0.05411 (I)	\$0.05492 (I)	\$0.00000
Part-Peak Summer	\$0.01532 (R)	\$0.01479 (R)	\$0.00000
Off-Peak Summer	\$0.00000	\$0.00000	\$0.00000
Part-Peak Winter	\$0.00021	\$0.00053 (I)	\$0.00000
Off-Peak Winter	\$0.00000	\$0.00000	\$0.00000
Transmission Rate Adjustments* (all usage)	\$0.00329	\$0.00329	\$0.00329
Public Purpose Programs (all usage)	\$0.01107 (R)	\$0.01033	\$0.01827
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charge (all usage)	\$0.00099 (I)	\$0.00094 (I)	\$0.00088 (I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00122 (R)	\$0.00122 (R)	\$0.00122 (R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE E-20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

Sheet 11

12. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

DA / CCA CRS	Secondary Voltage	Primary Voltage	Transmission Voltage
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond Charge (per kWh)	\$0.00503	\$0.00503	\$0.00503
CTC Rate (per kWh)	\$0.00099 (I)	\$0.00094 (I)	\$0.00088 (I)
Power Charge Indifference Adjustment (per kWh)			
2009 Vintage	\$0.02023 (I)	\$0.01931 (I)	\$0.01810 (I)
2010 Vintage	\$0.02385 (I)	\$0.02275 (I)	\$0.02130 (I)
2011 Vintage	\$0.02474 (I)	\$0.02359 (I)	\$0.02210 (I)
2012 Vintage	\$0.02571 (I)	\$0.02452 (I)	\$0.02296 (I)
2013 Vintage	\$0.02588 (I)	\$0.02468 (I)	\$0.02310 (I)
2014 Vintage	\$0.02580 (I)	\$0.02461 (I)	\$0.02305 (I)
2015 Vintage	\$0.02585 (I)	\$0.02465 (I)	\$0.02308 (I)
2016 Vintage	\$0.02564 (I)	\$0.02444 (I)	\$0.02290 (I)
2017 Vintage	\$0.02567 (I)	\$0.02449 (I)	\$0.02294 (I)
2018 Vintage	\$0.02680 (I)	\$0.02555 (I)	\$0.02392 (I)
2019 Vintage	\$0.02685 (N)	\$0.02559 (N)	\$0.02395 (N)

(Continued)



**ELECTRIC SCHEDULE E-6
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 2

RATES:

Total bundled service charges are calculated using the total rates below. On-peak, part-peak, and off-peak usage is assigned to tiers on a pro-rated basis. For example, if twenty percent of a customer's usage is in the on-peak period, then twenty percent of the total usage in each tier will be treated as on-peak usage. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates \$ per kWh)	<u>PEAK</u>	<u>PART-PEAK</u>	<u>OFF-PEAK</u>
Summer			
Baseline Usage	\$0.38508 (l)	\$0.26981 (l)	\$0.19303 (l)
Over 100% of Baseline	\$0.46759 (l)	\$0.35232 (l)	\$0.27554 (l)
Winter			
Baseline Usage	-	\$0.21420 (l)	\$0.19737 (l)
Over 100% of Baseline	-	\$0.29671 (l)	\$0.27988 (l)
 Total Meter Charge Rate (\$ per meter per day)		\$0.25298	
Delivery Minimum Bill Amount (\$ per meter per day)		\$0.32854	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)		(\$27.70)	

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE E-6
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 3

RATES: (Cont'd.)

UNBUNDLING OF TOTAL RATES

Meter Charge Rates: Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Generation:			
Summer	\$0.25912 (I)	\$0.13612 (I)	\$0.08591 (I)
Winter	-	\$0.11379 (I)	\$0.09998 (I)
Distribution**:			
Summer	\$0.28802 (I)	\$0.11521 (I)	\$0.05760 (I)
Winter	-	\$0.11069 (I)	\$0.07379 (I)
Conservation Incentive Adjustment:			
Summer			
Baseline Usage	(\$0.21573) (R)	(\$0.03519) (R)	(\$0.00415) (R)
Over 100% of Baseline	(\$0.13322) (R)	\$0.04732 (R)	\$0.07836 (R)
Winter			
Baseline Usage	-	(\$0.06395) (R)	(\$0.03007) (R)
Over 100% of Baseline	-	\$0.01856 (R)	\$0.05244 (R)
Transmission* (all usage)	\$0.03025	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.01240	\$0.01240	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-6
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 7

SPECIAL CONDITIONS:
(Cont'd.)

8. BILLING (Cont'd):

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

9. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
10. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
11. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE E-CARE

Sheet 1

CARE PROG SERV FOR QUALIF NONPROF GRP-LIV & QUALIF AGRI EMPL HOUSING FACILS

APPLICABILITY: This schedule is applicable to Facilities which meet the criteria for California Alternate Rates for Energy (CARE) set forth in Rules 19.2 or 19.3.*

TERRITORY: The entire territory served.

RATES: If the Facility qualifies for residential service, the facility's account will be served on the appropriate residential CARE rate schedule.

Qualified Facilities served on a nonresidential rate schedule will pay all charges applicable on the otherwise applicable commercial rate schedule, less the following rate per kWh discount:

Rate Schedule	Distribution	PPP	DWR Bond	Total Discount
A-1	\$0.07336 (I)	\$0.00699	\$0.00503	\$0.08538 (I)
A-6	\$0.06977 (I)	\$0.00699	\$0.00503	\$0.08179 (I)
A-15	\$0.07336 (I)	\$0.00699	\$0.00503	\$0.08538 (I)
A-10	\$0.06413 (I)	\$0.00699	\$0.00503	\$0.07615 (I)
E-19	\$0.05623 (I)	\$0.00699	\$0.00503	\$0.06825 (I)
E-20	\$0.04379 (I)	\$0.00699	\$0.00503	\$0.05581 (I)

The above commercial CARE discount per kWh by rate schedule shall be updated by PG&E with each future electric rate change based on the overall percentage distribution and generation discount for the residential CARE customer class, and assigned to the commercial distribution rate component, with the additional waiver of the DWR Bond charge, and the CARE Surcharge portion of the PPP rate component otherwise applicable to each commercial rate schedule from Preliminary Statement Part I. Should commercial CARE customers take service on a rate schedule not listed above, PG&E shall use the most appropriate rate schedule currently listed above, until such time as a new corresponding rate per kWh is developed and available for billing purposes with Commission approval.

COMMUNITY CHOICE AGGREGATION AND DIRECT ACCESS: Direct access (DA) and Community Choice Aggregation (CCA) customers shall pay charges for transmission, transmission adjustment rates, reliability services, distribution, public purpose programs, nuclear decommissioning, the franchise fee surcharge in accordance with Schedule E-EFFS and any applicable portions of the applicable Cost Responsibility Surcharge (CRS), as provided in the otherwise applicable rate schedule and Schedule DA CRS or Schedule CCA CRS (as applicable), except that distribution and public purpose program charges will be discounted, and DWR Bond charges waived as described above.

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>.



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 3

RATES:
(Cont'd.)

Customer Class	Solar Charge & Credit	Generation Credit	Program Charge**	PCIA	Total
Residential					
-- 2015 Vintage	\$0.00000	(\$0.11639) (R)	\$0.02083	\$0.02825 (R)	(\$0.06731) (R)
-- 2016 Vintage	\$0.00000	(\$0.11639) (R)	\$0.02083	\$0.02797 (R)	(\$0.06759) (R)
-- 2017 Vintage	\$0.00000	(\$0.11639) (R)	\$0.02083	\$0.02802 (R)	(\$0.06754) (R)
-- 2018 Vintage	\$0.00000	(\$0.11639) (R)	\$0.02083	\$0.02960 (R)	(\$0.06596) (R)
-- 2019 Vintage	\$0.00000 (N)	(\$0.11639) (N)	\$0.02083 (N)	\$0.02993 (N)	(\$0.06563) (N) (N)
Schedule A-1					
-- 2015 Vintage	\$0.00000	(\$0.11352) (R)	\$0.01709	\$0.02807 (I)	(\$0.06836) (I)
-- 2016 Vintage	\$0.00000	(\$0.11352) (R)	\$0.01709	\$0.02783 (I)	(\$0.06860) (I)
-- 2017 Vintage	\$0.00000	(\$0.11352) (R)	\$0.01709	\$0.02788 (I)	(\$0.06855) (I)
-- 2018 Vintage	\$0.00000	(\$0.11352) (R)	\$0.01709	\$0.02912 (I)	(\$0.06731) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.11352) (N)	\$0.01709 (N)	\$0.02930 (N)	(\$0.06713) (N) (N)
Schedule A-10					
-- 2015 Vintage	\$0.00000	(\$0.11798) (R)	\$0.01506	\$0.02940 (I)	(\$0.07352) (I)
-- 2016 Vintage	\$0.00000	(\$0.11798) (R)	\$0.01506	\$0.02914 (I)	(\$0.07378) (I)
-- 2017 Vintage	\$0.00000	(\$0.11798) (R)	\$0.01506	\$0.02920 (I)	(\$0.07372) (I)
-- 2018 Vintage	\$0.00000	(\$0.11798) (R)	\$0.01506	\$0.03052 (I)	(\$0.07240) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.11798) (N)	\$0.01506 (N)	\$0.03064 (N)	(\$0.07228) (N) (N)
Schedule E-19					
-- 2015 Vintage	\$0.00000	(\$0.11056) (R)	\$0.01330	\$0.02713 (I)	(\$0.07013) (I)
-- 2016 Vintage	\$0.00000	(\$0.11056) (R)	\$0.01330	\$0.02690 (I)	(\$0.07036) (I)
-- 2017 Vintage	\$0.00000	(\$0.11056) (R)	\$0.01330	\$0.02695 (I)	(\$0.07031) (I)
-- 2018 Vintage	\$0.00000	(\$0.11056) (R)	\$0.01330	\$0.02800 (I)	(\$0.06926) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.11056) (N)	\$0.01330 (N)	\$0.02817 (N)	(\$0.06909) (N) (N)
Schedule LS-3					
-- 2015 Vintage	\$0.00000	(\$0.09278) (R)	\$0.01245	\$0.02381 (I)	(\$0.05652) (I)
-- 2016 Vintage	\$0.00000	(\$0.09278) (R)	\$0.01245	\$0.02365 (I)	(\$0.05668) (I)
-- 2017 Vintage	\$0.00000	(\$0.09278) (R)	\$0.01245	\$0.02369 (I)	(\$0.05664) (I)
-- 2018 Vintage	\$0.00000	(\$0.09278) (R)	\$0.01245	\$0.02401 (I)	(\$0.05632) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.09278) (N)	\$0.01245 (N)	\$0.02409 (N)	(\$0.05624) (N) (N)

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



ELECTRIC SCHEDULE E-ECR
ENHANCED COMMUNITY RENEWABLES PROGRAM

Sheet 4

RATES:
(Cont'd.)

Customer Class	Solar Charge & Credit	Generation Credit	Program Charge**	PCIA	Total
Agriculture and Schedule E-37					
-- 2015 Vintage	\$0.00000	(\$0.10173) (R)	\$0.01554	\$0.02472 (I)	(\$0.06147) (R)
-- 2016 Vintage	\$0.00000	(\$0.10173) (R)	\$0.01554	\$0.02449 (R)	(\$0.06170) (R)
-- 2017 Vintage	\$0.00000	(\$0.10173) (R)	\$0.01554	\$0.02454 (R)	(\$0.06165) (R)
-- 2018 Vintage	\$0.00000	(\$0.10173) (R)	\$0.01554	\$0.02593 (I)	(\$0.06026) (R)
-- 2019 Vintage	\$0.00000 (N)	(\$0.10173) (N)	\$0.01554 (N)	\$0.02595 (N)	(\$0.06024) (N)
Schedule E-20 T					
-- 2015 Vintage	\$0.00000	(\$0.09417) (R)	\$0.01363	\$0.02308 (I)	(\$0.05746) (I)
-- 2016 Vintage	\$0.00000	(\$0.09417) (R)	\$0.01363	\$0.02290 (I)	(\$0.05764) (I)
-- 2017 Vintage	\$0.00000	(\$0.09417) (R)	\$0.01363	\$0.02294 (I)	(\$0.05760) (I)
-- 2018 Vintage	\$0.00000	(\$0.09417) (R)	\$0.01363	\$0.02392 (I)	(\$0.05662) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.09417) (N)	\$0.01363 (N)	\$0.02395 (N)	(\$0.05659) (N)
Schedule E-20 P					
-- 2015 Vintage	\$0.00000	(\$0.10010) (R)	\$0.01438	\$0.02465 (I)	(\$0.06107) (I)
-- 2016 Vintage	\$0.00000	(\$0.10010) (R)	\$0.01438	\$0.02444 (I)	(\$0.06128) (I)
-- 2017 Vintage	\$0.00000	(\$0.10010) (R)	\$0.01438	\$0.02449 (I)	(\$0.06123) (I)
-- 2018 Vintage	\$0.00000	(\$0.10010) (R)	\$0.01438	\$0.02555 (I)	(\$0.06017) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.10010) (N)	\$0.01438 (N)	\$0.02559 (N)	(\$0.06013) (N)
Schedule E-20 S					
-- 2015 Vintage	\$0.00000	(\$0.10672) (R)	\$0.01380	\$0.02585 (I)	(\$0.06707) (I)
-- 2016 Vintage	\$0.00000	(\$0.10672) (R)	\$0.01380	\$0.02564 (I)	(\$0.06728) (I)
-- 2017 Vintage	\$0.00000	(\$0.10672) (R)	\$0.01380	\$0.02567 (I)	(\$0.06725) (I)
-- 2018 Vintage	\$0.00000	(\$0.10672) (R)	\$0.01380	\$0.02680 (I)	(\$0.06612) (I)
-- 2019 Vintage	\$0.00000 (N)	(\$0.10672) (N)	\$0.01380 (N)	\$0.02685 (N)	(\$0.06607) (N)

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

** The Solar Value Adjustment (SVA) time of delivery (TOD) and resource adequacy (RA) values included in the program charge are illustrative only and are included to provide an approximation for the expected 2018 credit value for the ECR option. Actual SVA TOD and SVA RA credits will be based on actual ECR projects.

** The program charge includes a marketing and administration charge:

Marketing (\$/kWh)	Administration (\$/kWh)	Total (\$/kWh)
\$0.00036	\$0.00922	\$0.00958

(Continued)

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Vice President, Regulatory Affairs

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Effective
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**ELECTRIC SCHEDULE E-ERA
ENERGY RATE ADJUSTMENTS**

Sheet 1

APPLICABILITY: This schedule applies to electric customers as described below. The energy rate adjustments apply only in the specific instances mentioned below.

TERRITORY: Schedule E-ERA applies everywhere PG&E provides electric service.

RATES: Commercial/Industrial Schedule:

The adjustment rates listed below shall be used in calculating adjustments pursuant to Schedule E-31, which requires that the generation component of the otherwise applicable schedule be reduced by the charges provided in Schedule E-ERA to determine the generation portion of rates available for discounting.

Rate Schedule	Adjustments (\$/kWh)
A-1	
Summer	\$0.13585 (I)
Winter	\$0.11605 (I)
A-1 TOU	
Summer On Peak	\$0.14990 (I)
Summer Partial Peak	\$0.12625 (I)
Summer Off-Peak	\$0.09890 (I)
Winter Partial Peak	\$0.14763 (I)
Winter Off-Peak	\$0.12672 (I)
A-6	
Summer On-Peak	\$0.37523 (I)
Summer Partial Peak	\$0.19514 (I)
Summer Off-Peak	\$0.16558 (I)
Winter Partial Peak	\$0.12560 (I)
Winter Off-Peak	\$0.14689 (I)

(Continued)



**ELECTRIC SCHEDULE E-ERA
ENERGY RATE ADJUSTMENTS**

Sheet 2

RATES:
(Cont'd.)

	Rate Schedule	Adjustments (\$/kWh)
A-10	Transmission Summer	\$0.04303 (I)
	Transmission Winter	\$0.03786 (I)
	Primary Summer	\$0.07771 (I)
	Primary Winter	\$0.05934 (I)
	Secondary Summer	\$0.08984 (I)
	Secondary Winter	\$0.06433 (I)
A-10	Time-of-Use (TOU) – Transmission	
	Summer On-Peak	\$0.08934 (I)
	Summer Partial Peak	\$0.04247 (I)
	Summer Off-Peak	\$0.01716 (I)
	Winter Partial Peak	\$0.04704 (I)
	Winter Off-Peak	\$0.03246 (I)
A-10	TOU – Primary	
	Summer On-Peak	\$0.12873 (I)
	Summer Partial Peak	\$0.07816 (I)
	Summer Off-Peak	\$0.05154 (I)
	Winter Partial Peak	\$0.07071 (I)
	Winter Off-Peak	\$0.05483 (I)
A-10	TOU – Secondary	
	Summer On-Peak	\$0.14312 (I)
	Summer Partial Peak	\$0.08799 (I)
	Summer Off-Peak	\$0.05992 (I)
	Winter Partial Peak	\$0.07484 (I)
	Winter Off-Peak	\$0.05778 (I)

(Continued)



**ELECTRIC SCHEDULE E-ERA
ENERGY RATE ADJUSTMENTS**

Sheet 3

RATES:
(Cont'd.)

Rate Schedule		Adjustments (\$/kWh)	
A-15	Summer	\$0.08983	(I)
	Winter	\$0.06327	(I)
E-19	Transmission		
	Summer On-Peak	\$0.02801	(I)
	Summer Partial Peak	\$0.03437	(I)
	Summer Off-Peak	\$0.01905	(I)
	Winter Partial Peak	\$0.02133	(I)
	Winter Off-Peak	\$0.02084	(I)
E-19	Primary		
	Summer On-Peak	\$0.09393	(I)
	Summer Partial Peak	\$0.06346	(I)
	Summer Off-Peak	\$0.03671	(I)
	Winter Partial Peak	\$0.04913	(I)
	Winter Off-Peak	\$0.04279	(I)
E-19	Secondary		
	Summer On-Peak	\$0.08078	(I)
	Summer Partial Peak	\$0.06326	(I)
	Summer Off-Peak	\$0.03955	(I)
	Winter Partial Peak	\$0.05098	(I)
	Winter Off-Peak	\$0.04751	(I)
E-20	Transmission		
	Summer On-Peak	\$0.05805	(I)
	Summer Partial Peak	\$0.05761	(I)
	Summer Off-Peak	\$0.04127	(I)
	Winter Partial Peak	\$0.04978	(I)
	Winter Off-Peak	\$0.04470	(I)

(Continued)



**ELECTRIC SCHEDULE E-ERA
ENERGY RATE ADJUSTMENTS**

Sheet 4

RATES:
(Cont'd.)

	Rate Schedule	Adjustments (\$/kWh)
E-20	Primary	
	Summer On-Peak	\$0.10209 (I)
	Summer Partial Peak	\$0.06875 (I)
	Summer Off-Peak	\$0.04154 (I)
	Winter Partial Peak	\$0.05450 (I)
	Winter Off-Peak	\$0.04786 (I)
E-20	Secondary	
	Summer On-Peak	\$0.07512 (I)
	Summer Partial Peak	\$0.06160 (I)
	Summer Off-Peak	\$0.03957 (I)
	Winter Partial Peak	\$0.04959 (I)
	Winter Off-Peak	\$0.04705 (I)



**ELECTRIC SCHEDULE E-FFS
FRANCHISE FEE SURCHARGE**

Sheet 1

APPLICABILITY: Pursuant to California Public Utilities Code Sections 6350-6354, this schedule applies to all electric volumes procured by Customers from third-party entities and transported by PG&E with the following exceptions:

- a. The State of California or a political subdivision thereof;
- b. A utility transporting electricity for end use in its Commission-designated service area through another utility's service area;
- c. A utility consuming electricity transmitted through its own electric transmission and distribution system for purposes of generating electricity or for use in its own operations; and
- d. A cogeneration or nonutility generation facility when the facility transports electricity through its own electric transmission or distribution system or otherwise delivers electricity in the manner described in Section 218 of the Public Utilities Code.

TERRITORY: Schedule E-FFS applies everywhere PG&E provides electric service as shown in Preliminary Statement, Part A.

RATES: Pursuant to Public Utilities Code Sections 6350-6354, an Electric Franchise Fee Surcharge shall be charged to all direct access and Community Choice Aggregation electric service customers, unless otherwise exempted.

The vintage of the franchise fee surcharge rate applicable to a direct access or Community Choice Aggregation electric service customer shall be based upon the corresponding vintage of the Cost Responsibility Surcharge assigned to the customer in accordance with PG&E's electric tariffs.

The franchise fee surcharge shall be added to the bill of a retail electric customer who has elected direct access or Community Choice Aggregation Service, according to the following rates per kWh of usage:

Customer Class	Pre-2009 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00087 (I)
Small L&P	\$0.00085 (I)
Medium L&P	\$0.00089 (I)
E-19	\$0.00084 (I)
Streetlights	\$0.00070 (I)
Standby	\$0.00063 (I)
Agriculture	\$0.00076 (I)
E-20T	\$0.00070 (I)
E-20P	\$0.00076 (I)
E-20S	\$0.00079 (I)

(Continued)



**ELECTRIC SCHEDULE E-FFS
FRANCHISE FEE SURCHARGE**

Sheet 2

Customer Class	2009 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00071 (I)
Small L&P	\$0.00069 (I)
Medium L&P	\$0.00072 (I)
E-19	\$0.00068 (I)
Streetlights	\$0.00055 (R)
Standby	\$0.00051 (R)
Agriculture	\$0.00062 (I)
E-20T	\$0.00056
E-20P	\$0.00062 (I)
E-20S	\$0.00063

Customer Class	2010 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00067 (I)
Small L&P	\$0.00065 (R)
Medium L&P	\$0.00069
E-19	\$0.00065 (I)
Streetlights	\$0.00053 (R)
Standby	\$0.00048 (R)
Agriculture	\$0.00059 (I)
E-20T	\$0.00054 (R)
E-20P	\$0.00059
E-20S	\$0.00061

Customer Class	2011 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00067 (I)
Small L&P	\$0.00065
Medium L&P	\$0.00068
E-19	\$0.00064
Streetlights	\$0.00053 (R)
Standby	\$0.00048 (R)
Agriculture	\$0.00058 (I)
E-20T	\$0.00053 (R)
E-20P	\$0.00059
E-20S	\$0.00060 (R)

(Continued)



**ELECTRIC SCHEDULE E-FFS
FRANCHISE FEE SURCHARGE**

Sheet 3

Customer Class	2012 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00066 (I)
Small L&P	\$0.00064
Medium L&P	\$0.00067 (R)
E-19	\$0.00064 (I)
Streetlights	\$0.00052 (R)
Standby	\$0.00047 (R)
Agriculture	\$0.00058 (I)
E-20T	\$0.00052 (R)
E-20P	\$0.00058
E-20S	\$0.00059 (R)

Customer Class	2013 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00066 (I)
Small L&P	\$0.00064
Medium L&P	\$0.00067 (R)
E-19	\$0.00063
Streetlights	\$0.00052 (R)
Standby	\$0.00047 (R)
Agriculture	\$0.00057 (I)
E-20T	\$0.00052 (R)
E-20P	\$0.00058
E-20S	\$0.00059 (R)

Customer Class	2014 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00066 (I)
Small L&P	\$0.00064 (R)
Medium L&P	\$0.00067 (R)
E-19	\$0.00063 (R)
Streetlights	\$0.00052 (R)
Standby	\$0.00047 (R)
Agriculture	\$0.00058 (I)
E-20T	\$0.00052 (R)
E-20P	\$0.00058 (R)
E-20S	\$0.00059 (R)

Customer Class	2015 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh
Residential	\$0.00066 (I)
Small L&P	\$0.00064 (R)
Medium L&P	\$0.00067 (R)
E-19	\$0.00063 (R)
Streetlights	\$0.00052 (R)
Standby	\$0.00047 (R)
Agriculture	\$0.00057 (I)
E-20T	\$0.00052 (R)
E-20P	\$0.00058 (R)
E-20S	\$0.00059 (R)

(Continued)



**ELECTRIC SCHEDULE E-FFS
FRANCHISE FEE SURCHARGE**

Sheet 4

Customer Class	2016 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh	
Residential	\$0.00066	(I)
Small L&P	\$0.00064	(R)
Medium L&P	\$0.00067	(R)
E-19	\$0.00064	
Streetlights	\$0.00052	(R)
Standby	\$0.00047	(R)
Agriculture	\$0.00058	(I)
E-20T	\$0.00052	(R)
E-20P	\$0.00058	(R)
E-20S	\$0.00059	(R)

Customer Class	2017 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh	
Residential	\$0.00066	(I)
Small L&P	\$0.00064	(R)
Medium L&P	\$0.00067	(R)
E-19	\$0.00064	
Streetlights	\$0.00052	(R)
Standby	\$0.00047	(R)
Agriculture	\$0.00058	(I)
E-20T	\$0.00052	(R)
E-20P	\$0.00058	(R)
E-20S	\$0.00059	(R)

Customer Class	2018 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh	
Residential	\$0.00065	(I)
Small L&P	\$0.00063	(R)
Medium L&P	\$0.00066	(R)
E-19	\$0.00063	(R)
Streetlights	\$0.00052	(R)
Standby	\$0.00047	(R)
Agriculture	\$0.00057	(I)
E-20T	\$0.00052	(R)
E-20P	\$0.00057	(R)
E-20S	\$0.00059	(R)

Customer Class	2019 Vintage DA/CCA Franchise Fee Surcharge Rate per kWh	
Residential	\$0.00065	(I)
Small L&P	\$0.00063	(R)
Medium L&P	\$0.00066	(R)
E-19	\$0.00063	(R)
Streetlights	\$0.00052	(R)
Standby	\$0.00047	(R)
Agriculture	\$0.00057	(I)
E-20T	\$0.00052	(R)
E-20P	\$0.00057	(R)
E-20S	\$0.00059	(R)



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

Sheet 2

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

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

Customer Class	Solar Charge	Generation Credit	Program Charge**	PCIA	Total
Residential					
-- 2015 Vintage	\$0.06480	(\$0.11639) (R)	\$0.02956	\$0.02825 (R)	\$0.00622 (R)
-- 2016 Vintage	\$0.06480	(\$0.11639) (R)	\$0.02956	\$0.02797 (R)	\$0.00594 (R)
-- 2017 Vintage	\$0.06480	(\$0.11639) (R)	\$0.02956	\$0.02802 (R)	\$0.00599 (R)
-- 2018 Vintage	\$0.06480	(\$0.11639) (R)	\$0.02956	\$0.02960 (R)	\$0.00757 (R)
-- 2019 Vintage	\$0.06480 (N)	(\$0.11639) (N)	\$0.02956 (N)	\$0.02993 (N)	\$0.00790 (N)
Schedule A-1*					
-- 2015 Vintage	\$0.06480	(\$0.11352) (R)	\$0.02582	\$0.02807 (I)	\$0.00517 (I)
-- 2016 Vintage	\$0.06480	(\$0.11352) (R)	\$0.02582	\$0.02783 (I)	\$0.00493 (I)
-- 2017 Vintage	\$0.06480	(\$0.11352) (R)	\$0.02582	\$0.02788 (I)	\$0.00498 (I)
-- 2018 Vintage	\$0.06480	(\$0.11352) (R)	\$0.02582	\$0.02912 (I)	\$0.00622 (I)
-- 2019 Vintage	\$0.06480 (N)	(\$0.11352) (N)	\$0.02582 (N)	\$0.02930 (N)	\$0.00640 (N)
Schedule A-10					
-- 2015 Vintage	\$0.06480	(\$0.11798) (R)	\$0.02379	\$0.02940 (I)	\$0.00001 (I)
-- 2016 Vintage	\$0.06480	(\$0.11798) (R)	\$0.02379	\$0.02914 (I)	(\$0.00025) (I)
-- 2017 Vintage	\$0.06480	(\$0.11798) (R)	\$0.02379	\$0.02920 (I)	(\$0.00019) (I)
-- 2018 Vintage	\$0.06480	(\$0.11798) (R)	\$0.02379	\$0.03052 (I)	\$0.00113 (I)
-- 2019 Vintage	\$0.06480 (N)	(\$0.11798) (N)	\$0.02379 (N)	\$0.03064 (N)	\$0.00125 (N)
Schedule E-19					
-- 2015 Vintage	\$0.06480	(\$0.11056) (R)	\$0.02203	\$0.02713 (I)	\$0.00340 (I)
-- 2016 Vintage	\$0.06480	(\$0.11056) (R)	\$0.02203	\$0.02690 (I)	\$0.00317 (I)
-- 2017 Vintage	\$0.06480	(\$0.11056) (R)	\$0.02203	\$0.02695 (I)	\$0.00322 (I)
-- 2018 Vintage	\$0.06480	(\$0.11056) (R)	\$0.02203	\$0.02800 (I)	\$0.00427 (I)
-- 2019 Vintage	\$0.06480 (N)	(\$0.11056) (N)	\$0.02203 (N)	\$0.02817 (N)	\$0.00444 (N)
Schedule LS-3					
-- 2015 Vintage	\$0.06480	(\$0.09278) (R)	\$0.02118	\$0.02381 (I)	\$0.01701 (I)
-- 2016 Vintage	\$0.06480	(\$0.09278) (R)	\$0.02118	\$0.02365 (I)	\$0.01685 (I)
-- 2017 Vintage	\$0.06480	(\$0.09278) (R)	\$0.02118	\$0.02369 (I)	\$0.01689 (I)
-- 2018 Vintage	\$0.06480	(\$0.09278) (R)	\$0.02118	\$0.02401 (I)	\$0.01721 (I)
-- 2019 Vintage	\$0.06480 (N)	(\$0.09278) (N)	\$0.02118 (N)	\$0.02409 (N)	\$0.01729 (N)

(Continued)



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

Sheet 3

RATES: (Cont'd.)	Customer Class	Solar Charge	Generation Credit	Program Charge**	PCIA	Total
Agriculture and Schedule E-37						
-- 2015 Vintage	\$0.06480		(\$0.10173) (R)	\$0.02427	\$0.02472 (I)	\$0.01206 (R)
-- 2016 Vintage	\$0.06480		(\$0.10173) (R)	\$0.02427	\$0.02449 (R)	\$0.01183 (R)
-- 2017 Vintage	\$0.06480		(\$0.10173) (R)	\$0.02427	\$0.02454 (R)	\$0.01188 (R)
-- 2018 Vintage	\$0.06480		(\$0.10173) (R)	\$0.02427	\$0.02593 (I)	\$0.01327 (R)
-- 2019 Vintage	\$0.06480 (N)		(\$0.10173) (N)	\$0.02427 (N)	\$0.02595 (N)	\$0.01329 (N)
Schedule E-20 T						
-- 2015 Vintage	\$0.06480		(\$0.09417) (R)	\$0.02236	\$0.02308 (I)	\$0.01607 (I)
-- 2016 Vintage	\$0.06480		(\$0.09417) (R)	\$0.02236	\$0.02290 (I)	\$0.01589 (I)
-- 2017 Vintage	\$0.06480		(\$0.09417) (R)	\$0.02236	\$0.02294 (I)	\$0.01593 (I)
-- 2018 Vintage	\$0.06480		(\$0.09417) (R)	\$0.02236	\$0.02392 (I)	\$0.01691 (I)
-- 2019 Vintage	\$0.06480 (N)		(\$0.09417) (N)	\$0.02236 (N)	\$0.02395 (N)	\$0.01694 (N)
Schedule E-20 P						
-- 2015 Vintage	\$0.06480		(\$0.10010) (R)	\$0.02311	\$0.02465 (I)	\$0.01246 (I)
-- 2016 Vintage	\$0.06480		(\$0.10010) (R)	\$0.02311	\$0.02444 (I)	\$0.01225 (I)
-- 2017 Vintage	\$0.06480		(\$0.10010) (R)	\$0.02311	\$0.02449 (I)	\$0.01230 (I)
-- 2018 Vintage	\$0.06480		(\$0.10010) (R)	\$0.02311	\$0.02555 (I)	\$0.01336 (I)
-- 2019 Vintage	\$0.06480 (N)		(\$0.10010) (N)	\$0.02311 (N)	\$0.02559 (N)	\$0.01340 (N)
Schedule E-20 S						
-- 2015 Vintage	\$0.06480		(\$0.10672) (R)	\$0.02253	\$0.02585 (I)	\$0.00646 (I)
-- 2016 Vintage	\$0.06480		(\$0.10672) (R)	\$0.02253	\$0.02564 (I)	\$0.00625 (I)
-- 2017 Vintage	\$0.06480		(\$0.10672) (R)	\$0.02253	\$0.02567 (I)	\$0.00628 (I)
-- 2018 Vintage	\$0.06480		(\$0.10672) (R)	\$0.02253	\$0.02680 (I)	\$0.00741 (I)
-- 2019 Vintage	\$0.06480 (N)		(\$0.10672) (N)	\$0.02253 (N)	\$0.02685 (N)	\$0.00746 (N)

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

** The program charge includes a marketing and administration charge:

Marketing (\$/kWh)	Administration (\$/kWh)	Total (\$/kWh)
\$0.00909	\$0.00922	\$0.01831

(Continued)

Advice Decision 5527-E

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted Effective Resolution

April 18, 2019



**ELECTRIC SCHEDULE EL-1
RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 1

APPLICABILITY: This schedule is applicable to single-phase and polyphase residential service in single-family dwellings and in flats and apartments separately metered by PG&E (see Special Condition 3) and to all single-phase and polyphase farm service on the premises operated by the person whose residence is supplied through the same meter where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3.*

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule EL-1 charges. See Special Conditions 11 and 12 of this rate schedule for exemptions to standby charges.

TERRITORY: The entire territory served.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)		
Baseline Usage	\$0.14446	(l)
101% - 400% of Baseline	\$0.18155	(l)
High Usage Over 400% of Baseline	\$0.31807	(l)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.16427	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)	

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>

(Continued)



**ELECTRIC SCHEDULE EL-1
RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.00548	(R)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.01906)	(I)
101% - 400% of Baseline	\$0.01803	(I)
High Usage Over 400% of Baseline	\$0.15455	(I)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.00541	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE EL-1
RESIDENTIAL CARE PROGRAM SERVICE**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

9. BILLING (Cont'd.):

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

10. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
11. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to a time-of-use rate, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB – *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
12. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE EL-6
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 2

RATES: Total bundled service charges are calculated using the total rates below. On-peak, part-peak, and off-peak usage is assigned to tiers on a pro-rated basis. For example, if twenty percent of a customer's usage is in the on-peak period, then twenty percent of the total usage in each tier will be treated as on-peak usage. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Summer			
Baseline Usage	\$0.26126 (l)	\$0.17676 (l)	\$0.12048 (l)
Over 100% of Baseline	\$0.30150 (l)	\$0.21700 (l)	\$0.16072 (l)
Winter			
Baseline Usage	—	\$0.13600 (l)	\$0.12365 (l)
Over 100% of Baseline	—	\$0.17624 (l)	\$0.16389 (l)
Total Meter Charge Rate (\$ per meter per day)	\$0.20238		
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.16427		
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)		(\$27.70)	

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE EL-6
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 3

RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Meter Charge Rates: Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Generation:			
Summer	\$0.25912 (I)	\$0.13612 (I)	\$0.08591 (I)
Winter	-	\$0.11379 (I)	\$0.09998 (I)
Distribution**:			
Summer	\$0.18994 (R)	\$0.01713 (R)	(\$0.04048) (R)
Winter	-	\$0.01261 (R)	(\$0.02429) (R)
Conservation Incentive Adjustment:			
Summer			
Baseline Usage	(\$0.22945) (R)	(\$0.01814) (I)	\$0.03340 (I)
Over 100% of Baseline	(\$0.18921) (R)	\$0.02210 (I)	\$0.07364 (I)
Winter			
Baseline Usage	-	(\$0.03205) (I)	\$0.00631 (I)
Over 100% of Baseline	-	\$0.00819 (I)	\$0.04655 (I)
Transmission* (all usage)	\$0.03025	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.00541	\$0.00541	\$0.00541
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

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Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE EL-6
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 7

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING (Cont'd.):

Direct Access (DA) and Community Choice Aggregation Service (CCA Service)

Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedule DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

- 11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
- 12. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
- 13. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE EL-TOU
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 2

RATES
(Cont'd.):

OPTION A TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK	OFF-PEAK
<i>Summer</i>	\$0.24852 (I)	\$0.20091 (I)
Total Usage	(\$0.04024) (I)	(\$0.04024) (I)
Baseline Credit (Applied to Baseline Usage Only)		
 <i>Winter</i>	 \$0.17420 (I)	 \$0.16520 (I)
Total Usage	(\$0.04024) (I)	(\$0.04024) (I)
Baseline Credit (Applied to Baseline Usage Only)		
 Delivery Minimum Bill Amount (\$ per meter per day)	 \$0.16427	
 California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	 (\$27.70)	

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE EL-TOU
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 3

RATES
(Cont'd.):

UNBUNDLING OF OPTION A TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK	OFF-PEAK
Generation:		
Summer	\$0.19995 (I)	\$0.12438 (I)
Winter	\$0.11261 (I)	\$0.09832 (I)
Distribution**:		
Summer	\$0.00109 (I)	\$0.02905 (I)
Winter	\$0.01411 (I)	\$0.01940 (I)
Conservation Incentive Adjustment (Baseline Usage)	(\$0.03441)	(R)
Conservation Incentive Adjustment (Over Baseline Usage)	\$0.00583	(R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.00541	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

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**ELECTRIC SCHEDULE EL-TOU
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE**

Sheet 4

OPTION B TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK	OFF-PEAK
Summer (all usage)	\$0.23614 (I)	\$0.17122 (I)
Winter (all usage)	\$0.14954 (I)	\$0.13769 (I)

Delivery Minimum Bill Amount (\$ per meter per day) \$0.16427

California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles) (\$27.70)

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF OPTION B TOTAL RATES

Generation	PEAK	OFF-PEAK
Summer (all usage)	\$0.22185 (I)	\$0.11879 (I)
Winter (all usage)	\$0.11501 (I)	\$0.09621 (I)
Distribution**		
Summer (all usage)	(\$0.02736) (R)	\$0.01078 (R)
Winter (all usage)	(\$0.00712) (R)	(\$0.00017) (R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.00541	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110 (R)	
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00217 (R)	

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE EL-TOU
RESIDENTIAL CARE PROGRAM TIME-OF-USE SERVICE

Sheet 8

**SPECIAL
CONDITIONS
(Cont'd.):**

7. BILLING (Cont'd.):

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

8. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
9. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
10. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



**ELECTRIC SCHEDULE EL-TOU-C3
RESIDENTIAL CARE PROGRAM TIME-OF-USE
(PEAK PRICING 4 - 9 p.m. EVERY DAY)**

Sheet 2

RATES:
(Cont'd.)

EL-TOU-C3 TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK		OFF-PEAK	
<i>Summer</i>				
Total Usage	\$0.24186	(l)	\$0.20227	(l)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.05150)	(l)	(\$0.05150)	(l)
<i>Winter</i>				
Total Usage	\$0.18751	(l)	\$0.17669	(l)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.05150)	(l)	(\$0.05150)	(l)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.16427			
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)			

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.

(Continued)

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ELECTRIC SCHEDULE EL-TOU-C3
RESIDENTIAL CARE PROGRAM TIME-OF-USE
(PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 3

RATES:
(Cont'd.)

UNBUNDLING OF EL-TOU-C3 TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK		OFF-PEAK	
Generation:				
Summer (all usage)	\$0.17493	(I)	\$0.11149	(I)
Winter (all usage)	\$0.11847	(I)	\$0.10114	(I)
Distribution**:				
Summer (all usage)	\$0.00858	(I)	\$0.03242	(I)
Winter (all usage)	\$0.01068	(I)	\$0.01720	(I)
Conservation Incentive Adjustment (Baseline Usage)			(\$0.03480)	(R)
Conservation Incentive Adjustment (Over Baseline Usage)			\$0.01670	(R)
Transmission* (all usage)			\$0.03025	
Transmission Rate Adjustments* (all usage)			\$0.00325	
Reliability Services* (all usage)			(\$0.00084)	
Public Purpose Programs (all usage)			\$0.00541	
Nuclear Decommissioning (all usage)			\$0.00088	
Competition Transition Charges (all usage)			\$0.00110	(R)
Energy Cost Recovery Amount (all usage)			(\$0.00057)	
DWR Bond (all usage)			\$0.00000	
New System Generation Charge (all usage)**			\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE EL-TOU-C3
RESIDENTIAL CARE PROGRAM TIME-OF-USE
(PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 7

SPECIAL
CONDITIONS:
(Cont'd.)

date that they are unenrolled from this rate, whichever occurs first.

2. Opt-in customers: All bundled PG&E customers who are eligible to enroll on this rate will receive bill protection for 12 months from the date that they enroll onto the rate or up to the date that they are unenrolled from this rate, whichever occurs first. Customers must enroll onto the rate before April 2019 to receive bill protection.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Community Choice Aggregation and Direct Access (CCA/DA) Customers receive solely delivery services from PG&E. The customer's bill is based on the delivery rate components and conditions set forth in this schedule along with the generation rate components determined by either their CCA or DA provider.

CCA/DA customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

(Continued)



**ELECTRIC SCHEDULE EM
MASTER-METERED MULTIFAMILY SERVICE**

Sheet 1

APPLICABILITY: This schedule is applicable to service for residential single-phase and polyphase service supplied to a multifamily accommodation through one meter on a single premises where all of the residential dwelling units are not separately submetered in accordance with Rule 18. This schedule also applies to residential hotels as defined in Rule 1 and to residential RV parks which rent at least 50 percent of their spaces on a month-to-month basis for at least 9 months of the year to RV units used as permanent residences. This schedule is closed to new installations and additions to existing meters. Master meters currently being served under this schedule will be allowed to continue on the rate schedule following a change of ownership provided that no additional units or submeters are added. Customers served under rate schedule EM are also eligible for schedule EM-TOU which is a time-of-use rate schedule.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule EM charges. See Special Conditions 12 and 13 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	
Baseline Usage	\$0.22554 (l)
101% - 400% of Baseline	\$0.28382 (l)
High Usage Over 400% of Baseline	\$0.49726 (l)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)

(Continued)



**ELECTRIC SCHEDULE EM
MASTER-METERED MULTIFAMILY SERVICE**

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Components (\$ per kWh)

Generation:	\$0.11639 (I)
Distribution**:	\$0.09561 (I)
Conservation Incentive Adjustment:	
Baseline Usage	(\$0.04013) (R)
101% - 400% of Baseline	\$0.01815 (R)
High Usage Over 400% of Baseline	\$0.23159 (R)
Transmission* (all usage)	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325
Reliability Services* (all usage)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)
DWR Bond (all usage)	\$0.00503
New System Generation Charge (all usage)**	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)

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ELECTRIC SCHEDULE EM
MASTER-METERED MULTIFAMILY SERVICE

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING: (Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA CRS/CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



ELECTRIC SCHEDULE EML
MASTER-METERED MULTIFAMILY CARE PROGRAM SERVICE

Sheet 1

APPLICABILITY: This schedule is applicable to residential single-phase and polyphase service supplied to a multifamily accommodation through one meter on a single premise where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.2 or 19.3*; and where all of the residential dwelling units are not separately submetered in accordance with Rule 18. This schedule also applies to residential hotels as defined in Rule 1 and to residential RV parks which rent at least 50 percent of their spaces on a month-to-month basis for at least 9 months of the year to RV units used as permanent residences. This schedule is closed to new installations and additions to existing meters. Master meters currently being served under this schedule will be allowed to continue on the schedule following a change of ownership provided that no additional units or submeters are added.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule EML charges. See Special Conditions 11 and 12 of this rate schedule for exemptions to standby charges.

TERRITORY: The entire territory served.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Direct Access and Community Choice Aggregation Service (CCA Service) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	
Baseline Usage	\$0.14446 (l)
101% - 400% of Baseline	\$0.18155 (l)
High Usage Over 400% of Baseline	\$0.31807 (l)
Total Minimum Charge Rate (\$ per meter per day)	\$0.16427
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>

(Continued)



ELECTRIC SCHEDULE EML
MASTER-METERED MULTIFAMILY CARE PROGRAM SERVICE

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.00548	(R)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.01906)	(I)
101% - 400% of Baseline	\$0.01803	(I)
High Usage Over 400% of Baseline	\$0.15455	(I)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.00541	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
New System Generation Charge (all usage)**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** The same assignment of revenues applies to direct access and community choice aggregation customers

(Continued)



ELECTRIC SCHEDULE EML
MASTER-METERED MULTIFAMILY CARE PROGRAM SERVICE

Sheet 4

SPECIAL
CONDITIONS:
(Cont'd.)

5. SEASONAL CHANGES: The summer season is May 1 through October 31 and the winter season is November 1 through April 30. Bills that include May 1 and November 1 seasonal changeover dates will be calculated by multiplying the applicable daily baseline quantity for each season by the number of days in each season for the billing period.
6. STANDARD MEDICAL QUANTITIES (Code M - Basic plus Medical Quantities, Code S - All-Electric plus Medical Quantities): Additional medical quantities are available as shown in Rule 19.
7. RESIDENTIAL DWELLING UNITS: It is the responsibility of the customer to advise PG&E within 15 days following any change in the number of residential dwelling units receiving electric service.
8. MISCELLANEOUS LOADS: Miscellaneous electrical loads such as general lighting, laundry rooms, general maintenance, and other similar use incidental to the operation of the premises as a multifamily accommodation will be considered residential use.
9. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customers bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

(Continued)



ELECTRIC SCHEDULE EML-TOU
RESIDENTIAL CARE PROGRAM TIME OF USE SERVICE

Sheet 2

RATES: Total bundled service charges are calculated using the total rates below. On-peak, part-peak, and off-peak usage is assigned to tiers on a pro-rated basis. For example, if twenty percent of a customer's usage is in the on-peak period, then twenty percent of the total usage in each tier will be treated as on-peak usage. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Summer			
Baseline Usage	\$0.26126 (I)	\$0.17676 (I)	\$0.12048 (I)
Over 100% of Baseline	\$0.30150 (I)	\$0.21700 (I)	\$0.16072 (I)
Winter			
Baseline Usage	–	\$0.13600 (I)	\$0.12365 (I)
Over 100% of Baseline	–	\$0.17624 (I)	\$0.16389 (I)
Total Meter Charge Rate (\$ per meter per day)		\$0.20238	
Delivery Minimum Bill Amount (\$ per meter per day)		\$0.16427	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)		(\$27.70)	

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE EML-TOU
RESIDENTIAL CARE PROGRAM TIME OF USE SERVICE

Sheet 3

RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Meter Charge Rates: Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Generation:			
Summer	\$0.25912 (I)	\$0.13612 (I)	\$0.08591 (I)
Winter	-	\$0.11379 (I)	\$0.09998 (I)
Distribution**:			
Summer	\$0.18994 (R)	\$0.01713 (R)	(\$0.04048) (R)
Winter	-	\$0.01261 (R)	(\$0.02429) (R)
Conservation Incentive Adjustment:			
Summer			
Baseline Usage	(\$0.22945) (R)	(\$0.01814) (I)	\$0.03340 (I)
Over 100% of Baseline	(\$0.18921) (R)	\$0.02210 (I)	\$0.07364 (I)
Winter			
Baseline Usage	-	(\$0.03205) (I)	\$0.00631 (I)
Over 100% of Baseline	-	\$0.00819 (I)	\$0.04655 (I)
Transmission* (all usage)	\$0.03025	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.00541	\$0.00541	\$0.00541
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



**ELECTRIC SCHEDULE EML-TOU
RESIDENTIAL CARE PROGRAM TIME OF USE SERVICE**

Sheet 6

SPECIAL
CONDITIONS
:
(Cont'd.)

- 11. BILLING (Cont'd): receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

- 12. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
- 13. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to a time-of-use rate, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code section 353.7.
- 14. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



**ELECTRIC SCHEDULE EM-TOU
RESIDENTIAL TIME OF USE SERVICE**

Sheet 2

RATES: Total bundled service charges are calculated using the total rates below. On-peak, part-peak, and off-peak usage is assigned to tiers on a pro-rated basis. For example, if twenty percent of a customer's usage is in the on-peak period, then twenty percent of the total usage in each tier will be treated as on-peak usage. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

Total Energy Rates (\$ per kWh)	TOTAL RATES		
	PEAK	PART-PEAK	OFF-PEAK
Summer			
Baseline Usage	\$0.38508 (I)	\$0.26981 (I)	\$0.19303 (I)
Over100%ofBaseline	\$0.46759 (I)	\$0.35232 (I)	\$0.27554 (I)
Winter			
Baseline Usage	–	\$0.21420 (I)	\$0.19737 (I)
Over100%ofBaseline	–	\$0.29671 (I)	\$0.27988 (I)
Total Meter Charge Rate (\$ per meter per day)			\$0.25298
Delivery Minimum Bill Amount (\$ per meter per day)			\$0.32854
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)			(\$27.70)

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE EM-TOU
RESIDENTIAL TIME OF USE SERVICE**

Sheet 3

**RATES:
(Cont'd.)**

UNBUNDLING OF TOTAL RATES

Meter Charge Rates: Meter charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK		PART-PEAK		OFF-PEAK	
Generation:						
Summer	\$0.25912	(I)	\$0.13612	(I)	\$0.08591	(I)
Winter	-		\$0.11379	(I)	\$0.09998	(I)
Distribution**:						
Summer	\$0.28802	(I)	\$0.11521	(I)	\$0.05760	(I)
Winter	-		\$0.11069	(I)	\$0.07379	(I)
Conservation Incentive Adjustment:						
Summer						
Baseline Usage	(\$0.21573)	(R)	(\$0.03519)	(R)	(\$0.00415)	(R)
Over 100% of Baseline	(\$0.13322)	(R)	\$0.04732	(R)	\$0.07836	(R)
Winter						
Baseline Usage	-		(\$0.06395)	(R)	(\$0.03007)	(R)
Over 100% of Baseline	-		\$0.01856	(R)	\$0.05244	(R)
Transmission* (all usage)	\$0.03025		\$0.03025		\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325		\$0.00325		\$0.00325	
Reliability Services* (all usage)	(\$0.00084)		(\$0.00084)		(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240		\$0.01240		\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)	\$0.00110	(R)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)	\$0.00217	(R)	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE EM-TOU
RESIDENTIAL TIME OF USE SERVICE**

Sheet 6

SPECIAL
CONDITIONS
:
(Cont'd.)

- 11. BILLING (Cont'd):
transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

- 12. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.
- 13. DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.
- 14. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



**ELECTRIC SCHEDULE ES
MULTIFAMILY SERVICE**

Sheet 1

APPLICABILITY: This schedule is applicable to service for residential single-phase and polyphase service supplied to multifamily accommodations in other than a mobile-home park through one meter on a single premises and submetered to all individual tenants in accordance with Rule 18. This rate schedule is closed to new installations as defined in Decision 05-05-026. A customer whose building was constructed prior to December 14, 1981, and was served as a master-meter customer shall be eligible to convert from its master-meter rate schedule to a submetered rate schedule. Buildings originally constructed for a non-residential purpose that have converted to residential use before December 1981 or without the need for a building permit on or after July 1, 1982, shall be eligible to convert from their master-meter rate schedule to a submetered rate schedule.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ES charges. See Special Conditions 12 and 13 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment generation is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)		
Baseline Usage	\$0.22554	(I)
101% - 400% of Baseline	\$0.28382	(I)
High Usage Over 400% of Baseline	\$0.49726	(I)
Total Minimum Average Rate Limiter (\$ per kWh)		
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854	
Total Discount (\$ per dwelling unit per day)	\$0.03115	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)	

(Continued)



**ELECTRIC SCHEDULE ES
MULTIFAMILY SERVICE**

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Discount: Discount rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.09561	(I)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.04013)	(R)
101% - 400% of Baseline	\$0.01815	(R)
High Usage Over 400% of Baseline	\$0.23159	(R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)
Minimum Average Rate Limiter by Components (\$ per kWh)		
Generation	\$0.04417	(I)
Competition Transition Charges	\$0.00110	(R)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE ES
MULTIFAMILY SERVICE**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

- 10. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this Schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA CRS/ CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

- 11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



**ELECTRIC SCHEDULE ESL
MULTIFAMILY CARE PROGRAM SERVICE**

Sheet 1

APPLICABILITY: This schedule is applicable to residential single-phase and polyphase service supplied to multifamily accommodations in other than a mobilehome park through one meter on a single premises and submetered to all individual tenants in accordance with Rule 18 where one or more of the submetered tenants qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3.* This rate schedule is closed to new installations as defined in Decision 05-05-026. A customer whose building was constructed prior to December 14, 1981, and was served as a master-meter customer shall be eligible to convert from its master-meter rate schedule to a submetered rate schedule. Buildings originally constructed for a non-residential purpose that have converted to residential use before December 1981 or without the need for a building permit on or after July 1, 1982, shall be eligible to convert from their master-meter rate schedule to a submetered rate schedule.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ESL charges. See Special Conditions 12 and 13 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Non-CARE customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by Non-CARE customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

	TOTAL RATES	
Total Energy Rates (\$ per kWh)	CARE	NON-CARE
Baseline Usage	\$0.14446 (l)	\$0.22554 (l)
101% - 400% of Baseline	\$0.18155 (l)	\$0.28382 (l)
High Usage Over 400% of Baseline	\$0.31807 (l)	\$0.49726 (l)
Total Minimum Average Rate Limiter (\$ per kWh)	\$0.05190	
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.16427	
Total Discount (\$ per dwelling unit per day)	\$0.03115	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)	

The master-metered customer's energy consumption will be billed at the CARE rate using the ratio of the number of qualifying CARE apartments/units to the total number of apartments/units.

*The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>

(Continued)



**ELECTRIC SCHEDULE ESL
MULTIFAMILY CARE PROGRAM SERVICE**

Sheet 2

RATES: (Cont'd.) Total bundled service charges shown on customers bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Discount: Discount rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	CARE	NON-CARE
Generation:	\$0.11639 (I)	\$0.11639 (I)
Distribution**:	\$0.00548 (R)	\$0.09561 (I)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.01906) (I)	(\$0.04013) (R)
101% - 400% of Baseline	\$0.01803 (I)	\$0.01815 (R)
High Usage Over 400% of Baseline	\$0.15455 (I)	\$0.23159 (R)
Transmission* (all usage)	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.00541	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	-	\$0.00503
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)

Minimum Average Rate Limiter by Components (\$ per kWh)

Generation****	Determined Residually
Competition Transition Charges	\$0.00110 (R)
Energy Cost Recovery Amount	(\$0.00057)
DWR Bond (Applicable to Non-CARE and Non-Medical Baseline only)	\$0.00503
New System Generation Charge**	\$0.00217 (R)

• Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** This same assignment of revenues applies to direct access and community choice aggregation customers.
 **** Total rate base less the sum of the individual non-generation components.

(Continued)



**ELECTRIC SCHEDULE ESL
MULTIFAMILY CARE PROGRAM SERVICE**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING: (Cont'd.)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	CARE DA / CARE CCA CRS		NON-CARE DA / NON-CARE CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)		(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000		\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)				
2009 Vintage	\$0.02162	(R)	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)	\$0.02993	(N)

11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



ELECTRIC SCHEDULE ESR

Sheet 1

RESIDENTIAL RV PARK AND RESIDENTIAL MARINA SERVICE

APPLICABILITY: This schedule is applicable to single-phase and polyphase service supplied to a residential recreational vehicle (RV) park or a residential marina through a master meter on a single premises where all of the RV spaces or marina slips/berths are submetered in accordance with Rule 18 and rented to a prepaid monthly basis to RVs or boats used as permanent residences.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ESR charges. See Special Conditions 12 and 13 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	
Baseline Usage	\$0.22554 (I)
101% - 400% of Baseline	\$0.28382 (I)
High Usage Over 400% of Baseline	\$0.49726 (I)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE ESR
RESIDENTIAL RV PARK AND RESIDENTIAL MARINA SERVICE

Sheet 2

RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.09561	(I)
Conversation Incentive Adjustment:		
Baseline Usage	(\$0.04013)	(R)
101% - 400% of Baseline	\$0.01815	(R)
High Usage Over 400% of Baseline	\$0.23159	(R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE ESR
RESIDENTIAL RV PARK AND RESIDENTIAL MARINA SERVICE

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING: (Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted Effective Resolution
April 18, 2019



ELECTRIC SCHEDULE ESRL Sheet 1
RESIDENTIAL RV PARK AND RESIDENTIAL MARINA CARE PROGRAM SERVICE

APPLICABILITY : This schedule is applicable to single-phase or polyphase service supplied to a residential recreational vehicle (RV) park or a residential marina through a master meter on a single premises where all of the RV spaces or marina slips/berths are submetered in accordance with Rule 18 and rented on a prepaid monthly basis to RVs or boats used as permanent residences where one or more of the submetered tenants qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3.*

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ESRL charges. See Special Conditions 12 and 13 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Non-Care customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by Non-CARE customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	CARE	NON-CARE
Baseline Usage	\$0.14446 (I)	\$0.22554 (I)
101% - 400% of Baseline	\$0.18155 (I)	\$0.28382 (I)
High Usage Over 400% of Baseline	\$0.31807 (I)	\$0.49726 (I)
Delivery Minimum Bill Amount (\$ per meter per day)		\$0.16427
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)		(\$27.70)

The master-metered customer's energy consumption will be billed at the CARE rate using the ratio of the number of RV park spaces or marina slips/berths occupied by qualifying tenants to the total number of RV park spaces or marina slips/berths.

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>

(Continued)



ELECTRIC SCHEDULE ESRL Sheet 2
RESIDENTIAL RV PARK AND RESIDENTIAL MARINA CARE PROGRAM SERVICE

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)	<u>CARE</u>		<u>NON-CARE</u>	
Generation:	\$0.11639	(I)	\$0.11639	(I)
Distribution**:	\$0.00548	(R)	\$0.09561	(I)
Conservation Incentive Adjustment:				
Baseline Usage	(\$0.01906)	(I)	(\$0.04013)	(R)
101% - 400% of Baseline	\$0.01803	(I)	\$0.01815	(R)
High Usage Over 400% of Baseline	\$0.15455	(I)	\$0.23159	(R)
Transmission* (all usage)	\$0.03025		\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325		\$0.00325	
Reliability Services* (all usage)	(\$0.00084)		(\$0.00084)	
Public Purpose Programs (all usage)	\$0.00541		\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	-		\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



ELECTRIC SCHEDULE ESRL Sheet 5
RESIDENTIAL RV PARK AND RESIDENTIAL MARINA CARE PROGRAM SERVICE

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING: (Cont'd.)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	CARE DA /CARE CCA CRS		NON-CARE DA /NON-CARE CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)		(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000		\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)				
2009 Vintage	\$0.02162	(R)	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)	\$0.02993	(N)

11. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



**ELECTRIC SCHEDULE ET
MOBILEHOME PARK SERVICE**

Sheet 1

APPLICABILITY: This schedule is applicable to single-phase and polyphase service supplied to a mobilehome park through a master meter on a single premises and submetered to all individual tenants in accordance with Rule 18. This schedule is closed to the new mobilehome parks and manufactured housing communities for which construction commenced after January 1, 1997. The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ET charges. See Special Conditions 13 and 14 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage. Customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount. Customers receiving a medical baseline allowance shall also receive a 50 percent discount on the delivery minimum bill amount shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	
Baseline Usage	\$0.22554 (I)
101% - 400% of Baseline	\$0.28382 (I)
High Usage Over 400% of Baseline	\$0.49726 (I)
Total Minimum Average Rate Limiter (\$ per kWh)	\$0.05190
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854
Total Discount (\$ per dwelling unit per day)	\$0.06181
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

(Continued)



**ELECTRIC SCHEDULE ET
MOBILEHOME PARK SERVICE**

Sheet 2

RATES:
(Cont'd.)

UNBUNDLING OF TOTAL RATES

Discount: Discount rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)

Generation:	\$0.11639	(I)
Distribution**:	\$0.09561	(I)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.04013)	(R)
101% - 400% of Baseline	\$0.01815	(R)
High Usage Over 400% of Baseline	\$0.23159	(R)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)

Minimum Average Rate Limiter by Components (\$ per kWh)

Generation	\$0.04417	(I)
Competition Transition Charges	\$0.00110	(R)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE ET
MOBILEHOME PARK SERVICE**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

11. BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

12. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



ELECTRIC SCHEDULE ETL
MOBILEHOME PARK CARE PROGRAM SERVICE

Sheet 1

APPLICABILITY: This schedule is applicable to residential single-phase or polyphase service supplied to a mobilehome park through one meter on a single premises and submetered to all individual tenants in accordance with Rule 18 where one or more of the submetered tenants qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3.* This schedule is closed to new mobile home parks and manufactured housing communities for which construction commenced after January 1, 1997.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule ETL charges. See Special Conditions 13 and 14 of this rate schedule for exemptions to standby charges.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Non-CARE customers receiving a medical baseline allowance shall pay for all usage in excess of 200 percent of baseline at a rate \$0.04000 per kWh less than the applicable rate for usage in excess of 200 percent of baseline. No portion of the rates paid by Non-CARE customers that receive a Medical Baseline allowance shall be used to pay the DWR Bond charge. For these customers, the Conservation Incentive Adjustment is calculated residually based on the total rate less the sum of: Transmission, Transmission Rate Adjustments, Reliability Services, Distribution, Generation, Public Purpose Programs, Nuclear Decommissioning, New System Generation Charges, Competition Transition Charges (CTC), and Energy Cost Recovery Amount.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Energy Rates (\$ per kWh)	CARE	NON-CARE
Baseline Usage	\$0.14446 (I)	\$0.22554 (I)
101% - 400% of Baseline	\$0.18155 (I)	\$0.28382 (I)
High Usage Over 400% of Baseline	\$0.31807 (I)	\$0.49726 (I)

Total Minimum Average Rate Limiter (\$ per kWh)	\$0.05190
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.16427
Total Discount (\$ per dwelling unit per day)	\$0.06181

California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles) (\$27.70)

The master-metered customer's energy consumption will be billed at the CARE rate using the ratio of the number of mobile home spaces occupied by qualifying CARE tenants to the total number of mobile home spaces.

The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at <http://www.pge.com/tariffs>.

(Continued)



ELECTRIC SCHEDULE ETL
MOBILEHOME PARK CARE PROGRAM SERVICE

Sheet 2

RATES:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Discount: Discount rate provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	CARE	NON-CARE
Generation:	\$0.11639 (I)	\$0.11639 (I)
Distribution**:	\$0.00548 (R)	\$0.09561 (I)
Conservation Incentive Adjustment:		
Baseline Usage	(\$0.01906) (I)	(\$0.04013) (R)
101% - 400% of Baseline	\$0.01803 (I)	\$0.01815 (R)
High Usage Over 400% of Baseline	\$0.15455 (I)	\$0.23159 (R)
Transmission* (all usage)	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.00541	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	-	\$0.00503
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)

Minimum Average Rate Limiter by Components (\$ per kWh)

Generation****	Determined Residually
Competition Transition Charges	\$0.00110 (R)
Energy Cost Recovery Amount	(\$0.00057)
DWR Bond (Applicable to Non-CARE and Non-Medical Baseline only)	\$0.00503
New System Generation Charge***	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** This same assignment of revenues applies to direct access and community choice aggregation customers.
 **** Total rate less the sum of the individual non-generation components.

(Continued)



ELECTRIC SCHEDULE ETL
MOBILEHOME PARK CARE PROGRAM SERVICE

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

11. BILLING: (Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	CARE DA / CCA CRS		NON-CARE DA / NON-CARE CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)		(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00000		\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)				
2009 Vintage	\$0.02162	(R)	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)	\$0.02993	(N)

12. SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

(Continued)



**ELECTRIC SCHEDULE E-TOU
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 2

RATES
(Cont'd.):

OPTION A TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK		OFF-PEAK	
<i>Summer</i>				
Total Usage	\$0.41034	(I)	\$0.33477	(I)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.08251)	(R)	(\$0.08251)	(R)
<i>Winter</i>				
Total Usage	\$0.29237	(I)	\$0.27808	(I)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.08251)	(R)	(\$0.08251)	(R)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854			
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)			

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.*

* This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE E-TOU
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 3

RATES
(Cont'd.):

UNBUNDLING OF OPTION A TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK		OFF-PEAK	
Generation:				
Summer	\$0.19995	(I)	\$0.12438	(I)
Winter	\$0.11261	(I)	\$0.09832	(I)
Distribution**:				
Summer	\$0.10856	(I)	\$0.10856	(I)
Winter	\$0.07793	(I)	\$0.07793	(I)
Conservation Incentive Adjustment (Baseline Usage)			(\$0.03435)	(I)
Conservation Incentive Adjustment (Over Baseline Usage)			\$0.04816	(I)
Transmission* (all usage)			\$0.03025	
Transmission Rate Adjustments* (all usage)			\$0.00325	
Reliability Services* (all usage)			(\$0.00084)	
Public Purpose Programs (all usage)			\$0.01240	
Nuclear Decommissioning (all usage)			\$0.00088	
Competition Transition Charges (all usage)			\$0.00110	(R)
Energy Cost Recovery Amount (all usage)			(\$0.00057)	
DWR Bond (all usage)			\$0.00503	
New System Generation Charge (all usage)**			\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE E-TOU
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 4

RATES:
(Cont'd.)

OPTION B TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK	OFF-PEAK
Summer (all usage)	\$0.38666 (I)	\$0.28360 (I)
Winter (all usage)	\$0.24919 (I)	\$0.23039 (I)

Delivery Minimum Bill Amount (\$ per meter per day) \$0.32854

California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles) (\$27.70)

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF OPTION B TOTAL RATES

Generation	PEAK	OFF-PEAK
Summer (all usage)	\$0.22185 (I)	\$0.11879 (I)
Winter (all usage)	\$0.11501 (I)	\$0.09621 (I)
Distribution**		
Summer (all usage)	\$0.11114 (I)	\$0.11114 (I)
Winter (all usage)	\$0.08051 (I)	\$0.08051 (I)
Transmission* (all usage)	\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325	
Reliability Services* (all usage)	(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088	
Competition Transition Charges (all usage)	\$0.00110 (R)	
Energy Cost Recovery Amount (all usage)	(\$0.00057)	
DWR Bond (all usage)	\$0.00503	
New System Generation Charge (all usage)**	\$0.00217 (R)	

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE E-TOU
RESIDENTIAL TIME-OF-USE SERVICE**

Sheet 8

**SPECIAL
CONDITIONS
(Cont'd.):**

7. BILLING (Cont'd.):

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
 Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

8. **SOLAR GENERATION FACILITIES EXEMPTION:** Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

9. **DISTRIBUTED ENERGY RESOURCES EXEMPTION:** Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a time-of-use (TOU) schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

10. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE E-TOU-C3

Sheet 2

RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY DAY)

RATES:
(Cont'd.)

E-TOU-C3 TOTAL RATES

Total Energy Rates (\$ per kWh)	PEAK		OFF-PEAK	
<i>Summer</i>				
Total Usage	\$0.38654	(I)	\$0.32310	(I)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.08251)	(R)	(\$0.08251)	(R)
<i>Winter</i>				
Total Usage	\$0.29945	(I)	\$0.28212	(I)
Baseline Credit (Applied to Baseline Usage Only)	(\$0.08251)	(R)	(\$0.08251)	(R)
Delivery Minimum Bill Amount (\$ per meter per day)	\$0.32854			
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)	(\$27.70)			

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



ELECTRIC SCHEDULE E-TOU-C3
RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 3

RATES:
(Cont'd.)

UNBUNDLING OF E-TOU-C3 TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK		OFF-PEAK	
Generation:				
Summer (all usage)	\$0.17493	(I)	\$0.11149	(I)
Winter (all usage)	\$0.11847	(I)	\$0.10114	(I)
Distribution**:				
Summer (all usage)	\$0.10896	(I)	\$0.10896	(I)
Winter (all usage)	\$0.07833	(I)	\$0.07833	(I)
Conservation Incentive Adjustment (Baseline Usage)			(\$0.03353)	(R)
Conservation Incentive Adjustment (Over Baseline Usage)			\$0.04898	(I)
Transmission* (all usage)			\$0.03025	
Transmission Rate Adjustments* (all usage)			\$0.00325	
Reliability Services* (all usage)			(\$0.00084)	
Public Purpose Programs (all usage)			\$0.01240	
Nuclear Decommissioning (all usage)			\$0.00088	
Competition Transition Charges (all usage)			\$0.00110	(R)
Energy Cost Recovery Amount (all usage)			(\$0.00057)	
DWR Bond (all usage)			\$0.00503	
New System Generation Charge (all usage)**			\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

Advice 5527-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



ELECTRIC SCHEDULE E-TOU-C3
RESIDENTIAL TIME-OF-USE (PEAK PRICING 4 - 9 p.m. EVERY DAY)

Sheet 7

SPECIAL
CONDITIONS:
(Cont'd.)

2. Opt-in customers: All bundled PG&E customers who are eligible to enroll on this rate will receive bill protection for 12 months from the date that they enroll onto the rate or up to the date that they are unenrolled from this rate, whichever occurs first. Customers must enroll onto the rate before April 2019 to receive bill protection.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Community Choice Aggregation and Direct Access (CCA/DA) Customers receive solely delivery services from PG&E. The customer's bill is based on the delivery rate components and conditions set forth in this schedule along with the generation rate components determined by either their CCA or DA provider.

CCA/DA customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, conservation incentive adjustment, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions for Medical Baseline and continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

(Continued)



**ELECTRIC SCHEDULE EV
 RESIDENTIAL TIME-OF-USE
 SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS**

Sheet 2

RATES:(Cont'd.)

Rate A

TOTAL RATE

Total Energy Rates (\$ per kWh)	PEAK		PART-PEAK		OFF-PEAK	
Summer Usage	\$0.52664	(I)	\$0.28518	(I)	\$0.13464	(I)
Winter Usage	\$0.36674	(I)	\$0.22306	(I)	\$0.13795	(I)
 Delivery Minimum Bill Amount (\$ per meter per day)			\$0.32854			
 California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)			(\$27.70)			

Total bundled service charges shown on a customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK		PART-PEAK		OFF-PEAK	
Generation:						
Summer Usage	\$0.27567	(I)	\$0.13285	(I)	\$0.06676	(I)
Winter Usage	\$0.10301	(I)	\$0.06436	(I)	\$0.06915	(I)
Distribution**:						
Summer Usage	\$0.19730	(I)	\$0.09866	(I)	\$0.01421	(I)
Winter Usage	\$0.21006	(I)	\$0.10503	(I)	\$0.01513	(I)
Transmission* (all usage)	\$0.03025		\$0.03025		\$0.03025	
Transmission Rate Adjustments* (all usage)	\$0.00325		\$0.00325		\$0.00325	
Reliability Services* (all usage)	(\$0.00084)		(\$0.00084)		(\$0.00084)	
Public Purpose Programs (all usage)	\$0.01240		\$0.01240		\$0.01240	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charges (all usage)	\$0.00110	(R)	\$0.00110	(R)	\$0.00110	(R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge (all usage)**	\$0.00217	(R)	\$0.00217	(R)	\$0.00217	(R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.
 *** This same assignment of revenues applies to direct access and community choice aggregation customers.

(Continued)



**ELECTRIC SCHEDULE EV
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS**

Sheet 3

RATES: (Cont'd.)

TOTAL RATES

Rate B

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Summer Usage	\$0.52068 (I)	\$0.28219 (I)	\$0.13421 (I)
Winter Usage	\$0.36039 (I)	\$0.21988 (I)	\$0.13749 (I)
Total Meter Charge Per Day	\$0.04928		

Total bundled service charges shown on customer's bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Meter Charge Rate: Meter charge rate provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Component (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Generation:			
Summer	\$0.27567 (I)	\$0.13285 (I)	\$0.06676 (I)
Winter	\$0.10301 (I)	\$0.06436 (I)	\$0.06915 (I)
Distribution**:			
Summer	\$0.19134 (I)	\$0.09567 (I)	\$0.01378 (I)
Winter	\$0.20371 (I)	\$0.10185 (I)	\$0.01467 (I)
Transmission* (all usage)	\$0.03025	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.01240	\$0.01240	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110 (R)	\$0.00110 (R)	\$0.00110 (R)
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00217 (R)	\$0.00217 (R)	\$0.00217 (R)

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE EV
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS**

Sheet 5

SPECIAL
CONDITIONS:
(Cont'd.)

4. BILLING (Cont'd.):

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, the new system generation charge, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00110	(R)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02162	(R)
2010 Vintage	\$0.02599	(R)
2011 Vintage	\$0.02698	(R)
2012 Vintage	\$0.02811	(R)
2013 Vintage	\$0.02831	(R)
2014 Vintage	\$0.02818	(R)
2015 Vintage	\$0.02825	(R)
2016 Vintage	\$0.02797	(R)
2017 Vintage	\$0.02802	(R)
2018 Vintage	\$0.02960	(R)
2019 Vintage	\$0.02993	(N)

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS	A	B	C**	D	E	F
	\$6.849	\$7.126	\$6.680	\$9.331	\$9.664	\$7.828
LED Program Incremental Facility Charge	\$0.000		\$0.000	\$12.768	\$0.000	\$0.000

Energy Charge Per Lamp Per Month
All Night Rates

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS	AVERAGE INITIAL LUMENS	Half-Hour Adjustment
------------	---------------	------------------------	------------------------	----------------------

INCANDESCENTLAMPS*:

58	20	600	\$3.518 (I)	\$0.160 (I)
92	31	1,000	\$5.453 (I)	\$0.248 (I)
189	65	2,500	\$11.434 (I)	\$0.520 (I)
295	101	4,000	\$17.767 (I)	\$0.808 (I)
405	139	6,000	\$24.451 (I)	\$1.111 (I)

MERCURYVAPORLAMPS*:

100	40	3,500	\$7.036 (I)	\$0.320 (I)
175	68	7,500	\$11.962 (I)	\$0.544 (I)
250	97	11,000	\$17.063 (I)	\$0.776 (I)
400	152	21,000	\$26.738 (I)	\$1.215 (I)
700	266	37,000	\$46.792 (I)	\$2.127 (I)

HIGHPRESSURESODIUMVAPORLAMPS:

120 Volts

	29	5,800	\$5.101 (I)	\$0.232 (I)
70	41	9,500	\$7.212 (I)	\$0.328 (I)
100	60	16,000	\$10.555 (I)	\$0.480 (I)
150	80	22,000	\$14.073 (I)	\$0.640 (I)
200	100	26,000	\$17.591 (I)	\$0.800 (I)
250	154	46,000	\$27.090 (I)	\$1.231 (I)
400				

240 Volts

70	34	5,800	\$5.981 (I)	\$0.272 (I)
100	47	9,500	\$8.268 (I)	\$0.376 (I)
150	69	16,000	\$12.138 (I)	\$0.552 (I)
200	81	22,000	\$14.249 (I)	\$0.648 (I)
250	100	25,500	\$17.591 (I)	\$0.800 (I)
400	154	46,000	\$27.090 (I)	\$1.231 (I)

* Closed to new installations as of June 8, 1978, except where PG&E and customer shall agree, mercury vapor lamps may be installed under Class A and C to provide compatibility with existing light sources.

** Closed to new installation. See Special Condition 4.

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 4

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS

<u>Nominal Lamp Ratings</u>		<u>A, C, D, E and F Only</u>		<u>Half-Hour</u>
<u>LAMP</u>	<u>kWh per</u>	<u>Energy Rates Per Lamp</u>		<u>Adjustment</u>
<u>WATTS***</u>	<u>MONTH****</u>	<u>Per Month</u>		
0.0-5.0	0.9	\$0.158	(I)	\$0.007
5.1-10.0	2.6	\$0.457	(I)	\$0.021
10.1-15.0	4.3	\$0.756	(I)	\$0.034
15.1-20.0	6.0	\$1.055	(I)	\$0.048 (I)
20.1-25.0	7.7	\$1.355	(I)	\$0.062 (I)
25.1-30.0	9.4	\$1.654	(I)	\$0.075 (I)
30.1-35.0	11.1	\$1.953	(I)	\$0.089 (I)
35.1-40.0	12.8	\$2.252	(I)	\$0.102 (I)
40.1-45.0	14.5	\$2.551	(I)	\$0.116 (I)
45.1-50.0	16.2	\$2.850	(I)	\$0.130 (I)
50.1-55.0	17.9	\$3.149	(I)	\$0.143 (I)
55.1-60.0	19.6	\$3.448	(I)	\$0.157 (I)
60.1-65.0	21.4	\$3.764	(I)	\$0.171 (I)
65.1-70.0	23.1	\$4.064	(I)	\$0.185 (I)
70.1-75.0	24.8	\$4.363	(I)	\$0.198 (I)
75.1-80.0	26.5	\$4.662	(I)	\$0.212 (I)
80.1-85.0	28.2	\$4.961	(I)	\$0.226 (I)
85.1-90.0	29.9	\$5.260	(I)	\$0.239 (I)
90.1-95.0	31.6	\$5.559	(I)	\$0.253 (I)

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
(high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

Advice 5527-E
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Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 5

RATES: (Cont'd.)

LIGHT EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

<u>Nominal Lamp Ratings</u>		<u>A, C, D, E and F Only</u>		<u>Half-Hour</u>	
<u>LAMP</u>	<u>kWh per</u>	<u>Energy Rates Per Lamp</u>		<u>Adjustment</u>	
<u>WATTS***</u>	<u>MONTH****</u>	<u>Per Month</u>			
95.1-100.0	33.3	\$5.858	(I)	\$0.266	(I)
100.1-105.1	35.0	\$6.157	(I)	\$0.280	(I)
105.1-110.0	36.7	\$6.456	(I)	\$0.293	(I)
110.1-115.0	38.4	\$6.755	(I)	\$0.307	(I)
115.1-120.0	40.1	\$7.054	(I)	\$0.321	(I)
120.1-125.0	41.9	\$7.371	(I)	\$0.335	(I)
125.1-130.0	43.6	\$7.670	(I)	\$0.349	(I)
130.1-135.0	45.3	\$7.969	(I)	\$0.362	(I)
135.1-140.0	47.0	\$8.268	(I)	\$0.376	(I)
140.1-145.0	48.7	\$8.567	(I)	\$0.389	(I)
145.1-150.0	50.4	\$8.866	(I)	\$0.403	(I)
150.1-155.0	52.1	\$9.165	(I)	\$0.417	(I)
155.1-160.0	53.8	\$9.464	(I)	\$0.430	(I)

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
(high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 6

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

<u>Nominal Lamp Ratings</u>		A, C, D, E and F Only		Half-Hour Adjustment	
<u>LAMP WATTS***</u>	<u>kWh per MONTH****</u>	<u>Energy Rates Per Lamp Per Month</u>			
160.1-165.0	55.5	\$9.763	(I)	\$0.444	(I)
165.1-170.0	57.2	\$10.062	(I)	\$0.457	(I)
170.1-175.0	58.9	\$10.361	(I)	\$0.471	(I)
175.1-180.0	60.6	\$10.660	(I)	\$0.485	(I)
180.1-185.0	62.4	\$10.977	(I)	\$0.499	(I)
185.1-190.0	64.1	\$11.276	(I)	\$0.513	(I)
190.1-195.0	65.8	\$11.575	(I)	\$0.526	(I)
195.1-200.0	67.5	\$11.874	(I)	\$0.540	(I)
200.1-205.0	69.2	\$12.173	(I)	\$0.553	(I)
205.1-210.0	70.9	\$12.472	(I)	\$0.567	(I)
210.1-215.0	72.6	\$12.771	(I)	\$0.581	(I)
215.1-220.0	74.3	\$13.070	(I)	\$0.594	(I)
220.1-225.0	76.0	\$13.369	(I)	\$0.608	(I)
225.1-230.0	77.7	\$13.668	(I)	\$0.621	(I)
230.1-235.0	79.4	\$13.967	(I)	\$0.635	(I)
235.1-240.0	81.1	\$14.266	(I)	\$0.648	(I)
240.1-245.0	82.9	\$14.583	(I)	\$0.663	(I)
245.1-250.0	84.6	\$14.882	(I)	\$0.676	(I)

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
(high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 7

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

LAMP WATTS***	Nominal Lamp Ratings		A, C, D, E and F Only Energy Rates Per Lamp Per Month	Half-Hour Adjustment
	kWh per MONTH****			
250.1-255.0	86.3		\$15.181 (I)	\$0.690 (I)
255.1-260.0	88.0		\$15.480 (I)	\$0.704 (I)
260.1-265.0	89.7		\$15.779 (I)	\$0.717 (I)
265.1-270.0	91.4		\$16.078 (I)	\$0.731 (I)
270.1-275.0	93.1		\$16.377 (I)	\$0.744 (I)
275.1-280.0	94.8		\$16.676 (I)	\$0.758 (I)
280.1-285.0	96.5		\$16.975 (I)	\$0.772 (I)
285.1-290.0	98.2		\$17.274 (I)	\$0.785 (I)
290.1-295.0	99.9		\$17.573 (I)	\$0.799 (I)
295.1-300.0	101.6		\$17.872 (I)	\$0.812 (I)
300.1-305.0	103.4		\$18.189 (I)	\$0.827 (I)
305.1-310.0	105.1		\$18.488 (I)	\$0.840 (I)
310.1-315.0	106.8		\$18.787 (I)	\$0.854 (I)
315.1-320.0	108.5		\$19.086 (I)	\$0.868 (I)
320.1-325.0	110.2		\$19.385 (I)	\$0.881 (I)
325.1-330.0	111.9		\$19.684 (I)	\$0.895 (I)

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is:
(high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 8

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

<u>Nominal Lamp Ratings</u>		<u>A, C, D, E and F Only</u>		<u>Half-Hour</u>	
<u>LAMP</u>	<u>kWh per MONTH****</u>	<u>Energy Rates Per Lamp</u>		<u>Adjustment</u>	
<u>WATTS***</u>		<u>Per Month</u>			
330.1-335.0	113.6	\$19.983	(I)	\$0.908	(I)
335.1-340.0	115.3	\$20.282	(I)	\$0.922	(I)
340.1-345.0	117.0	\$20.581	(I)	\$0.936	(I)
345.1-350.0	118.7	\$20.881	(I)	\$0.949	(I)
350.1-355.0	120.4	\$21.180	(I)	\$0.963	(I)
355.1-360.0	122.1	\$21.479	(I)	\$0.976	(I)
360.1-365.0	123.9	\$21.795	(I)	\$0.991	(I)
365.1-370.0	125.6	\$22.094	(I)	\$1.004	(I)
370.1-375.0	127.3	\$22.393	(I)	\$1.018	(I)
375.1-380.0	129.0	\$22.692	(I)	\$1.031	(I)
380.1-385.0	130.7	\$22.991	(I)	\$1.045	(I)
385.1-390.0	132.4	\$23.290	(I)	\$1.059	(I)
390.1-395.0	134.1	\$23.590	(I)	\$1.072	(I)
395.0-400.0	135.8	\$23.889	(I)	\$1.086	(I)

*** Wattage based on total consumption of lamp and driver.

**** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

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ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 9

RATES: (Cont'd.)

TOTAL ENERGY RATES

Total Energy Charge Rate (\$ per kWh) \$0.17591 (I)

UNBUNDLING OF TOTAL ENERGY CHARGES

The total energy charge is unbundled according to the component rates shown below.

Energy Rate by Components (\$ per kWh)

Generation	\$0.09278	(I)
Distribution**	\$0.04861	(I)
Transmission*	\$0.01829	
Transmission Rate Adjustments* (all usage)	\$0.00329	
Reliability Services*	(\$0.00051)	
Public Purpose Programs	\$0.00579	
Nuclear Decommissioning	\$0.00088	
Competition Transition Charge	\$0.00088	(I)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge	\$0.00144	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE LS-1
PG&E-OWNED STREET AND HIGHWAY LIGHTING

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

17. **BILLING** (Cont'd.):

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00088	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01917	(I)
2010 Vintage	\$0.02204	(I)
2011 Vintage	\$0.02285	(I)
2012 Vintage	\$0.02366	(I)
2013 Vintage	\$0.02380	(I)
2014 Vintage	\$0.02379	(I)
2015 Vintage	\$0.02381	(I)
2016 Vintage	\$0.02365	(I)
2017 Vintage	\$0.02369	(I)
2018 Vintage	\$0.02401	(I)
2019 Vintage	\$0.02409	(N)

18. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 2

RATES: (Cont'd.)

Facilities Charge Per Lamp Per Month

CLASS:

A

C***

PG&E supplies energy and service only.
\$0.207

PG&E supplies the energy and maintenance service as described in Special Condition 8
\$3.994

Energy Charge Per Lamp Per Month
All Night Rates

Nominal Lamp Rating:

Per Lamp Per Month

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS*	Per Lamp Per Month	
			All Classes	Half-Hour Adjustment
INCANDESCENT LAMPS:				
58	20	600	\$3.518 (I)	\$0.160 (I)
92	31	1,000	\$5.453 (I)	\$0.248 (I)
189	65	2,500	\$11.434 (I)	\$0.520 (I)
295	101	4,000**	\$17.767 (I)	\$0.808 (I)
405	139	6,000**	\$24.451 (I)	\$1.111 (I)
620	212	10,000**	\$37.293 (I)	\$1.695 (I)
860	294	15,000**	\$51.718 (I)	\$2.351 (I)
MERCURY VAPOR LAMPS:				
40	18	1,300	\$3.166 (I)	\$0.144 (I)
50	22	1,650	\$3.870 (I)	\$0.176 (I)
100	40	3,500	\$7.036 (I)	\$0.320 (I)
175	68	7,500	\$11.962 (I)	\$0.544 (I)
250	97	11,000	\$17.063 (I)	\$0.776 (I)
400	152	21,000	\$26.738 (I)	\$1.215 (I)
700	266	37,000	\$46.792 (I)	\$2.127 (I)
1,000	377	57,000	\$66.318 (I)	\$3.014 (I)

* Latest published information should be consulted on best available lumens.

** Service for incandescent lamps over 2,500 lumens will be closed to new installations after September 11, 1978.

*** Closed to new installations and new lamps on existing circuits, see Condition 8A.

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 3

RATES: (Cont'd.)

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS	All Classes	Half-Hour Adjustment
HIGH PRESSURE SODIUM VAPOR LAMPS AT:				
120 VOLTS				
35	15	2,150	\$2.639 (I)	\$0.120 (I)
50	21	3,800	\$3.694 (I)	\$0.168 (I)
70	29	5,800	\$5.101 (I)	\$0.232 (I)
100	41	9,500	\$7.212 (I)	\$0.328 (I)
150	60	16,000	\$10.555 (I)	\$0.480 (I)
200	80	22,000	\$14.073 (I)	\$0.640 (I)
250	100	26,000	\$17.591 (I)	\$0.800 (I)
400	154	46,000	\$27.090 (I)	\$1.231 (I)
HIGH PRESSURE SODIUM VAPOR LAMPS AT:				
240 VOLTS				
50	24	3,800	\$4.222 (I)	\$0.192 (I)
70	34	5,800	\$5.981 (I)	\$0.272 (I)
100	47	9,500	\$8.268 (I)	\$0.376 (I)
150	69	16,000	\$12.138 (I)	\$0.552 (I)
200	81	22,000	\$14.249 (I)	\$0.648 (I)
250	100	25,500	\$17.591 (I)	\$0.800 (I)
310	119	37,000	\$20.933 (I)	\$0.952 (I)
360	144	45,000	\$25.331 (I)	\$1.151 (I)
400	154	46,000	\$27.090 (I)	\$1.231 (I)
LOW PRESSURE SODIUM VAPOR LAMPS:				
35	21	4,800	\$3.694 (I)	\$0.168 (I)
55	29	8,000	\$5.101 (I)	\$0.232 (I)
90	45	13,500	\$7.916 (I)	\$0.360 (I)
135	62	21,500	\$10.906 (I)	\$0.496 (I)
180	78	33,000	\$13.721 (I)	\$0.624 (I)

(Continued)

Advice 5527-E
Decision

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Robert S. Kenney
Vice President, Regulatory Affairs

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April 18, 2019



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 4

RATES: (Cont'd.)

LAMP WATTS	kWh per MONTH	AVERAGE INITIAL LUMENS	All Classes	Half-Hour Adjustment
METAL HALIDE LAMPS:				
70	30	5,500	\$5.277 (I)	\$0.240 (I)
100	41	8,500	\$7.212 (I)	\$0.328 (I)
150	63	13,500	\$11.082 (I)	\$0.504 (I)
175	72	14,000	\$12.666 (I)	\$0.576 (I)
250	105	20,500	\$18.471 (I)	\$0.840 (I)
400	162	30,000	\$28.497 (I)	\$1.295 (I)
1,000	387	90,000	\$68.077 (I)	\$3.094 (I)
INDUCTION LAMPS:				
23	9	1,840	\$1.583 (I)	\$0.072 (I)
35	13	2,450	\$2.287 (I)	\$0.104 (I)
40	14	2,200	\$2.463 (I)	\$0.112 (I)
50	18	3,500	\$3.166 (I)	\$0.144 (I)
55	19	3,000	\$3.342 (I)	\$0.152 (I)
65	24	5,525	\$4.222 (I)	\$0.192 (I)
70	27	6,500	\$4.750 (I)	\$0.216 (I)
80	28	4,500	\$4.925 (I)	\$0.224 (I)
85	30	4,800	\$5.277 (I)	\$0.240 (I)
100	36	8,000	\$6.333 (I)	\$0.288 (I)
120	42	8,500	\$7.302 (I)	\$0.332 (I)
135	48	9,450	\$8.444 (I)	\$0.384 (I)
150	51	10,900	\$8.971 (I)	\$0.408 (I)
165	58	12,000	\$10.203 (I)	\$0.464 (I)
200	72	19,000	\$12.666 (I)	\$0.576 (I)

(Continued)

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 5

RATES: (Cont'd.)

LIGHT EMITTING DIODE (LED) LAMPS OR COMPARABLE LIGHTING TECHNOLOGY (unless otherwise specified in this tariff):

<u>LAMP WATTS****</u>	<u>kWh per MONTH*****</u>	<u>Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
0.00-5.00	0.9	\$0.158 (I)	\$0.007
5.01-10.00	2.6	\$0.457 (I)	\$0.021
10.01-15.00	4.3	\$0.756 (I)	\$0.034
15.01-20.00	6.0	\$1.055 (I)	\$0.048 (I)
20.01-25.00	7.7	\$1.355 (I)	\$0.062 (I)
25.01-30.00	9.4	\$1.654 (I)	\$0.075 (I)
30.01-35.00	11.1	\$1.953 (I)	\$0.089 (I)
35.01-40.00	12.8	\$2.252 (I)	\$0.102 (I)
40.01-45.00	14.5	\$2.551 (I)	\$0.116 (I)
45.01-50.00	16.2	\$2.850 (I)	\$0.130 (I)
50.01-55.00	17.9	\$3.149 (I)	\$0.143 (I)
55.01-60.00	19.6	\$3.448 (I)	\$0.157 (I)
60.01-65.00	21.4	\$3.764 (I)	\$0.171 (I)
65.01-70.00	23.1	\$4.064 (I)	\$0.185 (I)
70.01-75.00	24.8	\$4.363 (I)	\$0.198 (I)
75.01-80.00	26.5	\$4.662 (I)	\$0.212 (I)
80.01-85.00	28.2	\$4.961 (I)	\$0.226 (I)
85.01-90.00	29.9	\$5.260 (I)	\$0.239 (I)
90.01-95.00	31.6	\$5.559 (I)	\$0.253 (I)
95.01-100.00	33.3	\$5.858 (I)	\$0.266 (I)
100.01-105.00	35.0	\$6.157 (I)	\$0.280 (I)
105.01-110.00	36.7	\$6.456 (I)	\$0.293 (I)
110.01-115.00	38.4	\$6.755 (I)	\$0.307 (I)
115.01-120.00	40.1	\$7.054 (I)	\$0.321 (I)
120.01-125.00	41.9	\$7.371 (I)	\$0.335 (I)
125.01-130.00	43.6	\$7.670 (I)	\$0.349 (I)
130.01-135.00	45.3	\$7.969 (I)	\$0.362 (I)
135.01-140.00	47.0	\$8.268 (I)	\$0.376 (I)
140.01-145.00	48.7	\$8.567 (I)	\$0.389 (I)

(Continued)

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 6

RATES: (Cont'd.)

LIGHT EMITTING DIODE (LED) LAMPS OR COMPARABLE LIGHTING TECHNOLOGY (unless otherwise specified in this tariff): (Cont'd.)

LAMP WATTS****	kWh per MONTH*****	Energy Rates Per Lamp Per Month	Half-Hour Adjustment
145.01-150.00	50.4	\$8.866 (I)	\$0.403 (I)
150.01-155.00	52.1	\$9.165 (I)	\$0.417 (I)
155.01-160.00	53.8	\$9.464 (I)	\$0.430 (I)
160.01-165.00	55.5	\$9.763 (I)	\$0.444 (I)
165.01-170.00	57.2	\$10.062 (I)	\$0.457 (I)
170.01-175.00	58.9	\$10.361 (I)	\$0.471 (I)
175.01-180.00	60.6	\$10.660 (I)	\$0.485 (I)
180.01-185.00	62.4	\$10.977 (I)	\$0.499 (I)
185.01-190.00	64.1	\$11.276 (I)	\$0.513 (I)
190.01-195.00	65.8	\$11.575 (I)	\$0.526 (I)
195.01-200.00	67.5	\$11.874 (I)	\$0.540 (I)
200.01-205.00	69.2	\$12.173 (I)	\$0.553 (I)
205.01-210.00	70.9	\$12.472 (I)	\$0.567 (I)
210.01-215.00	72.6	\$12.771 (I)	\$0.581 (I)
215.01-220.00	74.3	\$13.070 (I)	\$0.594 (I)
220.01-225.00	76.0	\$13.369 (I)	\$0.608 (I)
225.01-230.00	77.7	\$13.668 (I)	\$0.621 (I)
230.01-235.00	79.4	\$13.967 (I)	\$0.635 (I)
235.01-240.00	81.1	\$14.266 (I)	\$0.648 (I)
240.01-245.00	82.9	\$14.583 (I)	\$0.663 (I)
245.01-250.00	84.6	\$14.882 (I)	\$0.676 (I)
250.01-255.00	86.3	\$15.181 (I)	\$0.690 (I)
255.01-260.00	88.0	\$15.480 (I)	\$0.704 (I)
260.01-265.00	89.7	\$15.779 (I)	\$0.717 (I)
265.01-270.00	91.4	\$16.078 (I)	\$0.731 (I)
270.01-275.00	93.1	\$16.377 (I)	\$0.744 (I)
275.01-280.00	94.8	\$16.676 (I)	\$0.758 (I)
280.01-285.00	96.5	\$16.975 (I)	\$0.772 (I)

(Continued)

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Robert S. Kenney
Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 7

RATES: (Cont'd.)

LIGHT EMITTING DIODE (LED) LAMPS OR COMPARABLE LIGHTING TECHNOLOGY (unless otherwise specified in this tariff): (Cont'd.)

LAMP WATTS****	kWh per MONTH*****	Energy Rates Per Lamp Per Month	Half-Hour Adjustment
285.01-290.00	98.2	\$17.274 (I)	\$0.785 (I)
290.01-295.00	99.9	\$17.573 (I)	\$0.799 (I)
295.01-300.00	101.6	\$17.872 (I)	\$0.812 (I)
300.01-305.00	103.4	\$18.189 (I)	\$0.827 (I)
305.01-310.00	105.1	\$18.488 (I)	\$0.840 (I)
310.01-315.00	106.8	\$18.787 (I)	\$0.854 (I)
315.01-320.00	108.5	\$19.086 (I)	\$0.868 (I)
320.01-325.00	110.2	\$19.385 (I)	\$0.881 (I)
325.01-330.00	111.9	\$19.684 (I)	\$0.895 (I)
330.01-335.00	113.6	\$19.983 (I)	\$0.908 (I)
335.01-340.00	115.3	\$20.282 (I)	\$0.922 (I)
340.01-345.00	117.0	\$20.581 (I)	\$0.936 (I)
345.01-350.00	118.7	\$20.881 (I)	\$0.949 (I)
350.01-355.00	120.4	\$21.180 (I)	\$0.963 (I)
355.01-360.00	122.1	\$21.479 (I)	\$0.976 (I)
360.01-365.00	123.9	\$21.795 (I)	\$0.991 (I)
365.01-370.00	125.6	\$22.094 (I)	\$1.004 (I)
370.01-375.00	127.3	\$22.393 (I)	\$1.018 (I)
375.01-380.00	129.0	\$22.692 (I)	\$1.031 (I)
380.01-385.00	130.7	\$22.991 (I)	\$1.045 (I)
385.01-390.00	132.4	\$23.290 (I)	\$1.059 (I)
390.01-395.00	134.1	\$23.590 (I)	\$1.072 (I)
395.01-400.00	135.8	\$23.889 (I)	\$1.086 (I)

**** Wattage based on total consumption of lamp and driver. Customer may be required to provide verification of total energy consumption of lamp and driver upon request by PG&E.

***** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

Advice 5527-E
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Robert S. Kenney
 Vice President, Regulatory Affairs

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ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 9

RATES: (Cont'd.)

TOTAL ENERGY RATES

Total Energy Charge Rate (\$ per kWh) \$0.17591 (I)

UNBUNDLING OF TOTAL ENERGY CHARGES

The total energy charge is unbundled according to the component rates shown below.

Energy Rate by Components (\$ per kWh)

Generation	\$0.09278	(I)
Distribution**	\$0.04861	(I)
Transmission*	\$0.01829	
Transmission Rate Adjustments*	\$0.00329	
Reliability Services*	(\$0.00051)	
Public Purpose Programs	\$0.00579	(R)
Nuclear Decommissioning	\$0.00088	
Competition Transition Charge	\$0.00088	(I)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00144	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE LS-2
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING

Sheet 16

In
(\$0.00057)CO
NDITIONS:
(Cont'd.)

14. **BILLING:** This Rate Schedule is subject to PG&E's other rules governing billing issues, as may be applicable. PG&E performs regular auditing as part of this rate schedule.

Limited testing of Energy Efficient Street Light Technology will be allowed under this Rate Schedule where a light of the type and wattage of the fixture and lamp to be tested are not presently included in the rate tables. Such test installations are subject to approval by PG&E. Following approval, test installations will be billed at the customer's currently billed rate. Customer will provide a monthly inventory of streetlights that will be tested. The format and content of the inventory must be approved by PG&E. The Company reserves the right to audit customer. PG&E also reserves the right to collect the cost of any such audit from the customer. Testing is limited to existing street light fixtures and the total energy consumption per fixture must not exceed current energy use per fixture. Additional energy efficient street light fixtures installed will also be subject to billing under the current rate upon the approval of PG&E. The test period will not exceed 12 months.

Bundled Service Customers receive supply and delivery service solely from PG&E. The Customer's bill is based on the Total Rate set forth above.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00088	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01917	(I)
2010 Vintage	\$0.02204	(I)
2011 Vintage	\$0.02285	(I)
2012 Vintage	\$0.02366	(I)
2013 Vintage	\$0.02380	(I)
2014 Vintage	\$0.02379	(I)
2015 Vintage	\$0.02381	(I)
2016 Vintage	\$0.02365	(I)
2017 Vintage	\$0.02369	(I)
2018 Vintage	\$0.02401	(I)
2019 Vintage	\$0.02409	(N)

15. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



ELECTRIC SCHEDULE LS-3 Sheet 1
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING ELECTROLIER METER RATE

APPLICABILITY: Applicable to service to electrolier lighting systems, excluding incandescent luminaires, which illuminate streets, highways, and other outdoor ways and places where the Customer owns the lighting fixtures, poles and interconnecting circuits, and PG&E furnishes metered energy. Customers may connect incidental load on a single service account, not to exceed 5% of Customer's total circuit load on the account. Total lighting load must operate in conformance with the 85% off-peak design of this Rate. All lighting must be power factor corrected in accordance with electric Rule 2G. Where loads are found outside these limits PG&E will default the rate to A1 General Service.

TERRITORY: The entire territory served.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Total Customer Charge (\$ per meter per day)	\$0.24641
Total Energy Rate (\$ per kWh)	\$0.17591 (I)

UNBUNDLING OF TOTAL RATES

Total bundled service charges shown on Customers' bills are unbundled according to the component rates shown below.

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rate by Components (\$ per kWh)

Generation	\$0.09278	(I)
Distribution**	\$0.04861	(I)
Transmission*	\$0.01829	
Transmission Rate Adjustments*	\$0.00329	
Reliability Services*	(\$0.00051)	
Public Purpose Programs	\$0.00579	(R)
Nuclear Decommissioning	\$0.00088	
Competition Transition Charge	\$0.00088	(I)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00144	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE LS-3 Sheet 5
CUSTOMER-OWNED STREET AND HIGHWAY LIGHTING ELECTROLIER METER RATE

SPECIAL CONDITIONS:
(Cont'd.)

7. **BILLING:** A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery service solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00088	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01917	(I)
2010 Vintage	\$0.02204	(I)
2011 Vintage	\$0.02285	(I)
2012 Vintage	\$0.02366	(I)
2013 Vintage	\$0.02380	(I)
2014 Vintage	\$0.02379	(I)
2015 Vintage	\$0.02381	(I)
2016 Vintage	\$0.02365	(I)
2017 Vintage	\$0.02369	(I)
2018 Vintage	\$0.02401	(I)
2019 Vintage	\$0.02409	(N)

8. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 1

APPLICABILITY: Applicable to outdoor area lighting service for the illumination of areas where street and highway lighting schedules are not applicable and where PG&E installs, owns, operates and maintains the complete lighting installation on PG&E's existing wood distribution poles or on customer-owned poles acceptable to PG&E installed by the Customer on Customer's private property.

TERRITORY: The entire territory served.

RATES: Total monthly charge per lamp is equal to the sum of the facility charge and the energy charge. The monthly charge per lamp used for billing is calculated using unrounded facility and energy charges.

Monthly facility charges include the costs of owning, operating and maintaining the various lamp types and size, and is assigned to distribution. Monthly energy charges are based on the kWh usage of each lamp. The bundled monthly facility and energy charges are shown below. For customers who elect to participate in PG&E's Optional LED streetlight replacement program, no advance costs will be collected for the replacement of existing lights, but, the customer will pay the LED Program Incremental Facility Charge in addition to the OL-1 monthly facility charge.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

Facilities Charge Per Lamp Per Month: \$7.126

LED Program Incremental Facility Charge: \$2.814

Energy Charge Per Lamp Per Month:

LAMP WATTS	All Night kWh PER MONTH	AVERAGE INITIAL LUMENS		All Night PER LAMP PER MONTH		HALF-HOUR ADJUSTMENTS	
MERCURY VAPOR LAMPS:*							
175	68	7,500	.....	\$12.437	(I)	\$0.565	(I)
400	152	21,000	.....	\$27.801	(I)	\$1.264	(I)
HIGH PRESSURE SODIUM VAPOR LAMPS:							
70	29	5,800	.....	\$5.304	(I)	\$0.241	(I)
100	41	9,500	.....	\$7.499	(I)	\$0.341	(I)
200	81	22,000	.....	\$14.815	(I)	\$0.673	(I)
250	100	25,500	.....	\$18.290	(I)	\$0.831	(I)
400	154	46,000	.....	\$28.167	(I)	\$1.280	(I)

* Closed for new installations as of June 8, 1978.

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 2

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS

Nominal Lamp Ratings

<u>LAMP WATTS**</u>	<u>kWh per MONTH***</u>	<u>Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
0.0-5.0	0.9	\$0.165 (I)	\$0.008 (I)
5.1-10.0	2.6	\$0.476 (I)	\$0.022 (I)
10.1-15.0	4.3	\$0.786 (I)	\$0.036 (I)
15.1-20.0	6.0	\$1.097 (I)	\$0.050 (I)
20.1-25.0	7.7	\$1.408 (I)	\$0.064 (I)
25.1-30.0	9.4	\$1.719 (I)	\$0.078 (I)
30.1-35.0	11.1	\$2.030 (I)	\$0.092 (I)
35.1-40.0	12.8	\$2.341 (I)	\$0.106 (I)
40.1-45.0	14.5	\$2.652 (I)	\$0.121 (I)
45.1-50.0	16.2	\$2.963 (I)	\$0.135 (I)
50.1-55.0	17.9	\$3.274 (I)	\$0.149 (I)
55.1-60.0	19.6	\$3.585 (I)	\$0.163 (I)
60.1-65.0	21.4	\$3.914 (I)	\$0.178 (I)
65.1-70.0	23.1	\$4.225 (I)	\$0.192 (I)
70.1-75.0	24.8	\$4.536 (I)	\$0.206 (I)
75.1-80.0	26.5	\$4.847 (I)	\$0.220 (I)
80.1-85.0	28.2	\$5.158 (I)	\$0.234 (I)
85.1-90.0	29.9	\$5.469 (I)	\$0.249 (I)
90.1-95.0	31.6	\$5.780 (I)	\$0.263 (I)
95.1-100.0	33.3	\$6.091 (I)	\$0.277 (I)

** Wattage based on total consumption of lamp and driver.

*** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)

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Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 18, 2019



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 3

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

<u>LAMP WATTS**</u>	<u>kWh per MONTH***</u>	<u>Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
100.1-105.1	35.0	\$6.402 (I)	\$0.291 (I)
105.1-110.0	36.7	\$6.712 (I)	\$0.305 (I)
110.1-115.0	38.4	\$7.023 (I)	\$0.319 (I)
115.1-120.0	40.1	\$7.334 (I)	\$0.333 (I)
120.1-125.0	41.9	\$7.664 (I)	\$0.348 (I)
125.1-130.0	43.6	\$7.974 (I)	\$0.362 (I)
130.1-135.0	45.3	\$8.285 (I)	\$0.377 (I)
135.1-140.0	47.0	\$8.596 (I)	\$0.391 (I)
140.1-145.0	48.7	\$8.907 (I)	\$0.405 (I)
145.1-150.0	50.4	\$9.218 (I)	\$0.419 (I)
150.1-155.0	52.1	\$9.529 (I)	\$0.433 (I)
155.1-160.0	53.8	\$9.840 (I)	\$0.447 (I)
160.1-165.0	55.5	\$10.151 (I)	\$0.461 (I)
165.1-170.0	57.2	\$10.462 (I)	\$0.476 (I)
170.1-175.0	58.9	\$10.773 (I)	\$0.490 (I)
175.1-180.0	60.6	\$11.084 (I)	\$0.504 (I)
180.1-185.0	62.4	\$11.413 (I)	\$0.519 (I)
185.1-190.0	64.1	\$11.724 (I)	\$0.533 (I)
190.1-195.0	65.8	\$12.035 (I)	\$0.547 (I)
195.1-200.0	67.5	\$12.346 (I)	\$0.561 (I)

** Wattage based on total consumption of lamp and driver.

*** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 4

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

<u>LAMP WATTS**</u>	<u>kWh per MONTH***</u>	<u>Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
200.1-205.0	69.2	\$12.657 (I)	\$0.575 (I)
205.1-210.0	70.9	\$12.968 (I)	\$0.589 (I)
210.1-215.0	72.6	\$13.279 (I)	\$0.604 (I)
215.1-220.0	74.3	\$13.589 (I)	\$0.618 (I)
220.1-225.0	76.0	\$13.900 (I)	\$0.632 (I)
225.1-230.0	77.7	\$14.211 (I)	\$0.646 (I)
230.1-235.0	79.4	\$14.522 (I)	\$0.660 (I)
235.1-240.0	81.1	\$14.833 (I)	\$0.674 (I)
240.1-245.0	82.9	\$15.162 (I)	\$0.689 (I)
245.1-250.0	84.6	\$15.473 (I)	\$0.703 (I)
250.1-255.0	86.3	\$15.784 (I)	\$0.717 (I)
255.1-260.0	88.0	\$16.095 (I)	\$0.732 (I)
260.1-265.0	89.7	\$16.406 (I)	\$0.746 (I)
265.1-270.0	91.4	\$16.717 (I)	\$0.760 (I)
270.1-275.0	93.1	\$17.028 (I)	\$0.774 (I)
275.1-280.0	94.8	\$17.339 (I)	\$0.788 (I)
280.1-285.0	96.5	\$17.650 (I)	\$0.802 (I)
285.1-290.0	98.2	\$17.961 (I)	\$0.816 (I)
290.1-295.0	99.9	\$18.272 (I)	\$0.831 (I)
295.1-300.0	101.6	\$18.583 (I)	\$0.845 (I)

** Wattage based on total consumption of lamp and driver.

*** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)



ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE

Sheet 5

RATES: (Cont'd.)

LIGHT-EMITTING DIODE (LED) LAMPS: 120-240 VOLTS (Cont'd.)

Nominal Lamp Ratings

<u>LAMP WATTS**</u>	<u>kWh per MONTH***</u>	<u>Energy Rates Per Lamp Per Month</u>	<u>Half-Hour Adjustment</u>
300.1-305.0	103.4	\$18.912 (I)	\$0.860 (I)
305.1-310.0	105.1	\$19.223 (I)	\$0.874 (I)
310.1-315.0	106.8	\$19.534 (I)	\$0.888 (I)
315.1-320.0	108.5	\$19.845 (I)	\$0.902 (I)
320.1-325.0	110.2	\$20.156 (I)	\$0.916 (I)
325.1-330.0	111.9	\$20.467 (I)	\$0.930 (I)
330.1-335.0	113.6	\$20.777 (I)	\$0.944 (I)
335.1-340.0	115.3	\$21.088 (I)	\$0.959 (I)
340.1-345.0	117.0	\$21.399 (I)	\$0.973 (I)
345.1-350.0	118.7	\$21.710 (I)	\$0.987 (I)
350.1-355.0	120.4	\$22.021 (I)	\$1.001 (I)
355.1-360.0	122.1	\$22.332 (I)	\$1.015 (I)
360.1-365.0	123.9	\$22.661 (I)	\$1.030 (I)
365.1-370.0	125.6	\$22.972 (I)	\$1.044 (I)
370.1-375.0	127.3	\$23.283 (I)	\$1.058 (I)
375.1-380.0	129.0	\$23.594 (I)	\$1.072 (I)
380.1-385.0	130.7	\$23.905 (I)	\$1.087 (I)
385.1-390.0	132.4	\$24.216 (I)	\$1.101 (I)
390.1-395.0	134.1	\$24.527 (I)	\$1.115 (I)
395.0-400.0	135.8	\$24.838 (I)	\$1.129 (I)

** Wattage based on total consumption of lamp and driver.

*** Assumptions consistent with tariff, based on 4100 hours of operation for a full year; mid-point in range established by deducting 2.5 watts from highest wattage in range. The energy use calculation is: (high wattage in range-2.5 watts)x(4,100 hours/12 months/1000)

(Continued)



**ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE**

Sheet 6

RATES:
(Cont'd.)

TOTAL ENERGY RATES

Total Energy Charge Rate (\$ per kWh) \$0.18290 (I)

The total energy charge is unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL ENERGY CHARGES

Energy Rate by Components (\$ per kWh)

Generation	\$0.09278	(I)
Distribution**	\$0.04861	(I)
Transmission*	\$0.01829	
Transmission Rate Adjustments*	\$0.00329	
Reliability Services*	(\$0.00051)	
Public Purpose Programs	\$0.01278	
Nuclear Decommissioning	\$0.00088	
Competition Transition Charge	\$0.00088	(I)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00144	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



ELECTRIC SCHEDULE OL-1
OUTDOOR AREA LIGHTING SERVICE

Sheet 10

SPECIAL
CONDITIONS:
(Cont'd.)

10. BILLING: (Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00088	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01917	(I)
2010 Vintage	\$0.02204	(I)
2011 Vintage	\$0.02285	(I)
2012 Vintage	\$0.02366	(I)
2013 Vintage	\$0.02380	(I)
2014 Vintage	\$0.02379	(I)
2015 Vintage	\$0.02381	(I)
2016 Vintage	\$0.02365	(I)
2017 Vintage	\$0.02369	(I)
2018 Vintage	\$0.02401	(I)
2019 Vintage	\$0.02409	(N)

11. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 4

RATES: (Cont'd.)

	TOTAL RATES					
	Secondary Voltage		Primary Voltage		Transmission Voltage	
Total Maximum Reactive Demand Charge (\$ per kVAR)	\$0.35		\$0.35		\$0.35	
<u>Total Reservation Charge Rate (\$/kW)</u>						
Reservation Charge (per KW per month applied to 85 percent of the Reservation Capacity)	\$7.54	(I)	\$7.54	(I)	\$1.67	(I)
<u>Total Energy Rates (\$ per kWh)</u>						
Peak Summer	\$0.60584	(I)	\$0.60664	(I)	\$0.14497	(I)
Part-Peak Summer	\$0.28696	(I)	\$0.28776	(I)	\$0.12942	(I)
Off-Peak Summer	\$0.12421	(I)	\$0.12501	(I)	\$0.10886	(I)
Part-Peak Winter	\$0.15705	(I)	\$0.15785	(I)	\$0.13187	(I)
Off-Peak Winter	\$0.13278	(I)	\$0.13358	(I)	\$0.11607	(I)
Power Factor Adjustment Rate (\$/kWh%)	\$0.00005		\$0.00005		\$0.00005	

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below

UNBUNDLING OF TOTAL RATES

	Secondary Voltage		Primary Voltage		Transmission Voltage	
<u>Reservation Charges Rate by Components (\$/kW)</u>						
Generation	\$0.46	(I)	\$0.46	(I)	\$0.38	(I)
Distribution**	\$6.07		\$6.07		\$0.28	
Transmission*	\$1.04		\$1.04		\$1.04	
Reliability Services*	(\$0.03)		(\$0.03)		(\$0.03)	
<u>Energy Rate by Components (\$ per kWh)</u>						
Generation:						
Peak Summer	\$0.11892	(I)	\$0.11892	(I)	\$0.09907	(I)
Part-Peak Summer	\$0.10005	(I)	\$0.10005	(I)	\$0.08352	(I)
Off-Peak Summer	\$0.07536	(I)	\$0.07536	(I)	\$0.06296	(I)
Part-Peak Winter	\$0.10306	(I)	\$0.10306	(I)	\$0.08597	(I)
Off-Peak Winter	\$0.08393	(I)	\$0.08393	(I)	\$0.07017	(I)
Distribution**:						
Peak Summer	\$0.43807	(I)	\$0.43807	(I)	\$0.00000	
Part-Peak Summer	\$0.13806	(I)	\$0.13806	(I)	\$0.00000	
Off-Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Part-Peak Winter	\$0.00514		\$0.00514		\$0.00000	
Off-Peak Winter	\$0.00000		\$0.00000		\$0.00000	
Transmission* (all usage)	\$0.02296		\$0.02296		\$0.02296	
Transmission Rate Adjustments* (all usage)	\$0.00329		\$0.00329		\$0.00329	
Reliability Services* (all usage)	(\$0.00024)		(\$0.00024)		(\$0.00024)	
Public Purpose Programs (all usage)	\$0.01364	(R)	\$0.01444	(R)	\$0.01069	
Nuclear Decommissioning (all usage)	\$0.00088		\$0.00088		\$0.00088	
Competition Transition Charges	\$0.00080	(I)	\$0.00080	(I)	\$0.00080	(I)
Energy Cost Recovery Amount (all usage)	(\$0.00057)		(\$0.00057)		(\$0.00057)	
DWR Bond (all usage)	\$0.00503		\$0.00503		\$0.00503	
New System Generation Charge(all usage)**	\$0.00306	(R)	\$0.00306	(R)	\$0.00306	(R)
California Climate Credit (all usage)***	\$0.00000		\$0.00000		\$0.00000	

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 15

SPECIAL
CONDITIONS:
(Cont'd.)

12. **BILLING:** A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery service solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00080	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.01685	(I)
2010 Vintage	\$0.01966	(I)
2011 Vintage	\$0.02039	(I)
2012 Vintage	\$0.02116	(I)
2013 Vintage	\$0.02129	(I)
2014 Vintage	\$0.02125	(I)
2015 Vintage	\$0.02128	(I)
2016 Vintage	\$0.02112	(I)
2017 Vintage	\$0.02116	(I)
2018 Vintage	\$0.02187	(I)
2019 Vintage	\$0.02187	(N)

13. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.

14. **SCHEDULED MAINTENANCE:** Customers may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). Maintenance load is defined as a customer's load that would have otherwise been served by the DG that is down for maintenance. Customers shall provide four (4) days notice prior to PG&E determining whether and when Scheduled Maintenance is available ("Request"). For each Request, customers shall pay PG&E, at the time of such notification, for its expenses related to the scheduling and any necessary rearrangement of its facilities to accommodate Scheduled Maintenance.

(Continued)



**ELECTRIC SCHEDULE TC-1
TRAFFIC CONTROL SERVICE**

Sheet 1

APPLICABILITY: Applicable to metered service for traffic control-related equipment operating on a 24-hour basis, owned by governmental agencies and located on streets, highways and other publicly-dedicated outdoor ways and places. Streetlights on traffic circuits and other equipment operating on a 24-hour basis in conformity with this rate design may also be connected under this Schedule. Also applicable for service to these installations where service is initially established in the name of a developer who has installed such systems as required by a governmental agency, where ownership of facilities and responsibility for service will ultimately be transferred to the jurisdiction requiring the installation. Non-conforming incidental load such as low voltage sprinkler controls may also be attached where such loads do not exceed 5% of the total connected load served under a TC-1 Service Account. Maximum load per meter is 34,000 kWh per month.

TERRITORY: The entire territory served.

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

Customer Charge Rate (\$ per meter per day)	\$0.32854	
Energy Rate (\$ per kWh)	\$0.20408	(I)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

<u>Energy Rate by Components (\$ per kWh)</u>		
Generation	\$0.10350	(I)
Distribution**	\$0.05993	(I)
Transmission*	\$0.02419	
Transmission Rate Adjustments*	\$0.00327	
Reliability Services*	(\$0.00067)	
Public Purpose Programs	\$0.00584	(R)
Nuclear Decommissioning	\$0.00088	
Competition Transition Charge	\$0.00107	(I)
Energy Cost Recovery Amount	(\$0.00057)	
DWR Bond	\$0.00503	
New System Generation Charge**	\$0.00161	(R)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
 ** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE TC-1
TRAFFIC CONTROL SERVICE**

Sheet 4

SPECIAL
CONDITIONS:
(Cont'd.)

8. **BILLING:** (Cont'd.)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)	
DWR Bond Charge (per kWh)	\$0.00503	
CTC Charge (per kWh)	\$0.00107	(I)
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	\$0.02185	(I)
2010 Vintage	\$0.02588	(I)
2011 Vintage	\$0.02686	(I)
2012 Vintage	\$0.02792	(I)
2013 Vintage	\$0.02811	(I)
2014 Vintage	\$0.02802	(I)
2015 Vintage	\$0.02807	(I)
2016 Vintage	\$0.02783	(I)
2017 Vintage	\$0.02788	(I)
2018 Vintage	\$0.02912	(I)
2019 Vintage	\$0.02930	(N)

9. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts.

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

AT&T	Downey & Brand	Pioneer Community Energy
Albion Power Company	East Bay Community Energy	Praxair
Alcantar & Kahl LLP	Ellison Schneider & Harris LLP	Regulatory & Cogeneration Service, Inc.
	Energy Management Service	SCD Energy Solutions
Alta Power Group, LLC	Evaluation + Strategy for Social	
Anderson & Poole	Innovation	
	GenOn Energy, Inc.	SCE
Atlas ReFuel	Goodin, MacBride, Squeri, Schlotz &	SDG&E and SoCalGas
BART	Ritchie	
	Green Charge Networks	SPURR
Barkovich & Yap, Inc.	Green Power Institute	San Francisco Water Power and Sewer
P.C. CalCom Solar	Hanna & Morton	Seattle City Light
California Cotton Ginners & Growers Assn	ICF	Sempra Utilities
California Energy Commission	International Power Technology	Southern California Edison Company
California Public Utilities Commission	Intestate Gas Services, Inc.	Southern California Gas Company
California State Association of Counties	Kelly Group	Spark Energy
Calpine	Ken Bohn Consulting	Sun Light & Power
	Keyes & Fox LLP	Sunshine Design
Cameron-Daniel, P.C.	Leviton Manufacturing Co., Inc.	Tecogen, Inc.
Casner, Steve	Linde	TerraVerde Renewable Partners
Cenergy Power	Los Angeles County Integrated Waste	Tiger Natural Gas, Inc.
Center for Biological Diversity	Management Task Force	
City of Palo Alto	Los Angeles Dept of Water & Power	TransCanada
	MRW & Associates	Troutman Sanders LLP
City of San Jose	Manatt Phelps Phillips	Utility Cost Management
Clean Power Research	Marin Energy Authority	Utility Power Solutions
Coast Economic Consulting	McKenzie & Associates	Utility Specialists
Commercial Energy		
County of Tehama - Department of Public	Modesto Irrigation District	Verizon
Works	Morgan Stanley	Water and Energy Consulting
Crossborder Energy	NLine Energy, Inc.	Wellhead Electric Company
Crown Road Energy, LLC	NRG Solar	Western Manufactured Housing
Davis Wright Tremaine LLP		Communities Association (WMA)
Day Carter Murphy	Office of Ratepayer Advocates	Yep Energy
	OnGrid Solar	
Dept of General Services	Pacific Gas and Electric Company	
Don Pickett & Associates, Inc.		
Douglass & Liddell		