COUNCIL AGENDA: 10/8/19 FILE: 19-894 ITEM: 7.2



Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL

FROM: Lori Mitchell

SUBJECT: RESIDENTIAL TRANSITION TO TIME-OF-USE ELECTRIC RATES

DATE: September 18, 2019



RECOMMENDATION

Adopt a resolution approving:

- (a) A transition of eligible residential San José Clean Energy customers, on a default, "optout" basis, to the existing Time-of-Use electric rate E-TOUC in November 2020; and offer bill protection to customers for one year to ensure that at the end of one year of service on new rates, no participating customer will have paid more on the new rate; and
- (b) A rate design allowing San José Clean Energy to match any rate structure from Pacific Gas & Electric Company's standard rates.

OUTCOME

Approving the transition to the residential Time-of-Use ("TOU") rate schedule E-TOUC and offering bill protection is expected to reduce overall electricity usage and GHG emissions, result in customer savings of approximately \$2.5 million, reduce San José Clean Energy's ("SJCE") procurement costs, and result in net revenue reduction of \$1.5-2.0 million per year for SJCE. It would also allow SJCE to meet the deadline to participate in co-marketing activities to residential customers about the transition with Pacific Gas & Electric Company ("PG&E") in November of 2019.

Approving a rate design to match any rate structure from PG&E's would enable SJCE to retain customers, increase its competitiveness, and maintain its ability to serve customers without interruption as a result of any changes in PG&E's rate design.

BACKGROUND

On August 8, 2017, City Council approved an ordinance establishing a Community Choice Aggregation ("CCA") program to be named SJCE and amending Title 26 of the San José Municipal Code to create the Community Energy Department of the City of San José to manage the CCA. On August 29, 2017, City Council adopted a resolution adopting SJCE's Implementation Plan and Statement of Intent and directed staff to submit this document to the California Public Utilities Commission ("CPUC"). The Implementation Plan included a rate design that allowed SJCE to generally match the rate structures from PG&E's standard rates to avoid the possibility that customers would see significantly different bill impacts as a result of changes in rate scheduled that would take effect following enrollment in SJCE. On September 18, 2017, the Implementation Plan was submitted to the CPUC. The CPUC certified the plan on December 18, 2017.

On November 7, 2017, City Council approved an ordinance to add Title 26 to the San José Municipal Code that provides procedures for the operation and management of SJCE, as well as a process for setting electricity rates. Under Title 26, SJCE may provide any rate designs or programs as approved by the City Council.

On November 6, 2018, City Council approved SJCE to set rates for the GreenSource product to be one percent below PG&E generation rates, after accounting for the franchise fees and the Power Charge Indifference Adjustment across all rate classes for 2019. The Time of Use E-TOUA, E-TOUB, E-TOUC, and E6 rate schedules were included in these rates.

On April 9, 2019, City Council adopted Ordinance 30233, which modified Section 26.40.020 of Chapter 26.40 of Title 26 of the San José Municipal Code to reduce SJCE's operating costs associated with some bill adjustments, reduce waste related to sending paper notices every time rates are increased or decreased, and improve agility to adjust rates that are pegged to PG&E rates.

ANALYSIS

As San José's new default generation provider, SJCE procures and sells clean, retail electricity to residents and businesses. The formation of SJCE reflects the City's and the community's desire to accelerate greenhouse gas ("GHG") emission reductions and achieve the goals reflected in San José's Climate Smart plan. Pacific Gas and Electric Company ("PG&E") continues to deliver electricity across transmission and distribution lines that PG&E owns, maintains, and operates. PG&E, as an Investor-Owned Utility ("IOU"), is subject to the jurisdiction of and regulated by the CPUC, which approves rates applicable to IOUs' customers.

Electricity Rate Plans

SJCE and PG&E customers are charged for the electricity they consume based on their rate plan. Customers can choose between two main types of rate plans:

• **Tiered rate plans** have multiple pricing levels that are based on how much electricity is used. Customers are allotted a baseline amount of energy ("Tier 1") each month; any usage above that baseline is charged at higher rates. Customers save money by using less

energy regardless of the time of day that they use electricity. Tiered rate plans are the current default, and the E1 residential rate is the most common SJCE and PG&E tiered rate plan.

• **Time-of-use (TOU) rate plans** have varying prices for electricity throughout the day based on the time energy is being consumed. Electricity use is generally the highest during the evening hours also known as "the peak period" or 4 p.m. – 9 p.m. This is also the most expensive time to procure electricity. The goal of TOU rate plans is to better reflect the true cost of procuring energy through price signals to the customer and to incentivize customers to use less energy during high-demand, peak hours. **SJ**CE currently offers four TOU residential rate schedules E-TOUA, E-TOUB, E-TOUC, and E6, in addition to electric vehicle rates, E-EV and E-EV2. Staff is not proposing any changes to these rate schedules or any rate increase at this time.

As the billing provider for SJCE customers, PG&E records customer usage data through its meters and maintains rate plan selections. SJCE electric generation rate plans largely mirror PG&E's, but with a one percent rate discount per Council direction on November 8, 2018.¹ SJCE TOU rate plans mirror the daily peak, off-peak, and partial-peak time periods, seasonality (*i.e.*, containing different summer and winter rates), and day type (*i.e.*, weekday or weekend). The structure of the E1 rate plan is such that all "tiering effects" are reflected in the Delivery portion of the rate (PG&E), and the generation portion of the rate (SJCE) is a fixed rate per kilowatt-hour. About 94% of SJCE residential customers are on tiered rate plans, while 6% are on TOU rate plans.

TOU Transition

On July 3, 2015, the CPUC adopted a series of changes to residential rate structures to align rates with the actual cost of providing electricity service.² One of these changes requires IOUs to automatically enroll ("transition") most of its residential customers in a TOU electric rate by a certain date. PG&E will transition customers in its territory in phases, beginning in October and November 2020 with Santa Clara County and ending in October 2021 with the central coast.

SJCE and PG&E customers in the City of San José will be transitioned in November 2020, while all other customers in Santa Clara County (all cities and unincorporated areas, excluding Palo Alto and Santa Clara) will be transitioned in October 2020. On their billing date in November 2020 customers will be automatically enrolled in a new, default TOU rate plan (E-TOU-C) with peak pricing from 4:00 p.m. to 9:00 p.m. every day (including weekends). E-TOU-C has different pricing during summer and winter seasons. Current rates for the "summer" months (June – September) are about 22% higher on average than rate for the eight "winter" months (October – May).

¹ SJCE GreenSource rates are one percent below PG&E generation rates, after accounting for the franchise fee surcharges and the Power Charge Indifference Adjustment across all rate classes for 2019.

² CPUC Decision D.15-07-001 (adopting residential rate reform).

Customer savings are expected to be approximately \$2.5 million annually. It is important to note that customers can "opt out" to their old tiered rate plan or select different TOU rate plans at any time. During a pilot transition in PG&E territory customers reported various reasons for opting out including: 1. concern about higher prices when they "need electricity most"; 2. general skepticism about rate changes; and 3. feeling that it is a "hassle" to worry about when to use electricity.

Approximately 80% of SJCE residential customers that are eligible and will be automatically enrolled in TOU rates. Several groups are excluded from SJCE's and PG&E's TOU transition in San José; including:

- Medical baseline customers these are customers who use a large amount of electricity for medical reasons and receive a special, lower rate
- Customers eligible for Net Energy Metering ("NEM") grandfathering (i.e. had rooftop solar), which includes those with a Permission to Operate Date before July 31, 2017.
- Customers with inadequate energy usage interval data or with less than one year of data.
- Active severance customers.³
- Customers who converted from NEM to non-NEM rates.
- Customers already on a TOU rate plan.
- Customers who have opted out of SJCE and are on a transitional rate ("TBCC").

PG&E is the delivery provider for all CCA customers. Therefore, PG&E will transition nearly all CCA customers to a TOU rate plan for at least the delivery portion of their bill. CCAs are not required to transition their customers to TOU rates for the generation portion of their bill. However, to minimize customer confusion and incentivize energy conservation during the most expensive and most polluting hours of the day, most CCAs are expected to also transition their customers to a TOU rate. This will result in both generation and delivery being charged at a TOU rate with the same pricing signals.

TOU pricing is meant to align more energy usage with off-peak time periods (9:00 p.m. - 4:00 p.m.) when the cost of producing electricity is lower because of the abundance of clean, renewable energy from solar and wind. As more rooftop and utility scale solar generation is integrated into the California grid, power generation increases with sun rise and decreases sharply as the sun sets.

³ A customer in active severance has not paid their bill and is going through PG&E's course of events required prior to shutting off their gas or electric service.



Figure 1: Graph of the "Duck Curve" from Energy.gov⁴

Figure 1 shows net demand for energy on the California grid when accounting for solar production. In 2012, there is a typical load profile of morning and evening demand spikes with a relatively flat daytime period. Since then, California has continued to increase the amount of solar generation, thus decreasing the net demand during the daytime hours, as seen by the increasingly large "belly" of the duck. With such a high portion of demand being met by solar generation during daytime hours, this creates a significant grid management challenge when solar production tails off towards the evening hours and evening usage increases.

To manage the sharp ramp of demand in the evening, the grid relies on running expensive, natural gas peaker plants that contribute to global warming. Setting a price signal with peak rates from 4:00 p.m. to 9:00 p.m. to incentivize energy usage during off-peak hours, in combination with investment in energy storage, will help reduce the sharpness of the ramp, reduce California's greenhouse gas emissions, and aid the transition to a 100% clean energy future.

Customer Notifications

PG&E plans to notify customers that will be transitioned as follows:

- August 2020 (90 days before transition): direct mail letter
- October 2020 (30 days before transition): second direct mail letter and email to customers who have opted into PG&E email notifications
- Between October 2020 and November 2020: outbound calling to some customers on California Alternate Rates for Energy ("CARE") and Family Electric Rate Assistance Program ("FERA") income-based discount programs

SJCE plans to transition its customers in the same schedule as PG&E and direct mail communications will be co-branded with the SJCE logo.

⁴ <u>https://www.energy.gov/eere/articles/confronting-duck-curve-how-address-over-generation-solar-energy</u>

Per CPUC direction, and consistent with the TOU pilot discussed below, the co-branded letters and email will present customers with a personalized rate plan comparison showing annual costs for three rate plans: 1. current plan; 2. default TOU plan (peak pricing from 4:00 p.m. - 9:00 p.m. every day); and 3. a second TOU option (peak pricing from 5:00-8:00 p.m. weekdays). *The letter will also highlight the lowest cost plan based on each customer's last 12 months of electricity usage.* Customers will have two options: do nothing to move to the default TOU rate plan for both SJCE and PG&E; or take action to stay on their current rate plan or choose a different plan. To do the latter for PG&E and SJCE, customers can visit PG&E's website, call PG&E, or fill out and mail the business reply card attached to the direct mail letters. Customers can change their rate plan at any time.

The letters and email will also indicate that customers can try the default TOU rate risk-free as PG&E and SJCE will offer bill protection for the first 12 months. *If customers pay more on their first year under the TOU rate plan, at the end of the year PG&E and SJCE, will credit them the difference.*

PG&E tested the effectiveness of these notifications during its TOU pilot. Between May 2017 and February 2018, PG&E ran a TOU pilot with approximately 153,000 randomly selected customers throughout its territory, including approximately 25,500 CCA customers with Marin Clean Energy, Sonoma Clean Power, and Silicon Valley Clean Energy. PG&E found the notifications increased awareness of TOU rate plans, and rate choices. Compared to a baseline audience, awareness of TOU rate plan grew from 60 to 84%, and customer awareness of whether they themselves were on a TOU rate plan increased from 10 to 59%. Customer awareness of rate choices grew from 25 to 59%.⁵ Based on these results, PG&E decided to replicate the pilot notifications for the full transition.

Alongside the TOU transitions, the CPUC has directed IOUs to fund a \$126 million, three-year mass media campaign implemented by a consultant using the Energy Upgrade California brand. The statewide campaign is meant to be "high-level, emotion-based, and provide Californians with the context for the changing rate structure and a vision to rally around."⁶ To give Californians context and a reason to care about TOU, Energy Upgrade California ran a "Keep it Golden" mass media campaign that connects personal energy usage to the future of California.

In PG&E's territory, "Keep it Golden" ran from March to May 2019 and will run again from October 2019 into 2020. This will be followed by a "4 to 9" mass media campaign to illuminate that the time energy is used matters and raise awareness of the 4:00 p.m. to 9:00 p.m. peak time. The action-oriented "4 to 9" campaign will start in October of 2019 and run for five months. The consultant will utilize numerous multilingual print, outdoor, digital, and broadcast advertising channels; employ community-based organizations to aid with outreach and

 ⁵ PG&E presentation on July 23, 2019, "TOU Transition Notifications: SJCE CCA Review"
 ⁶ CPUC Rulemaking 12-06-013, Decision D.17-12-023:

http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M201/K231/201231862.PDF

promotion; recruit TOU educators and influencers; and implement a public relations and media strategy.⁷

Given the budget and extent of these outreach activities, staff are confident public awareness of TOU and its importance will increase. To further build awareness of these issues, staff will create a TOU webpage with FAQs, regularly post about these topics on social media and Nextdoor, and host informational sessions, among other tactics. Staff will also focus outreach on hard to reach customers, such as non-English speakers and low-income residents.

Customer Impacts

In PG&E's TOU pilot, approximately 25% of customers declined to transition.⁸ Their top reasons for declining were that they preferred their current rate plan or thought the new TOU rate plan is too expensive. Of the approximately 75% of customers who transitioned to the default TOU rate plan, 88% remained on the rate as of February 2018, 10 months after the transition.⁹

Studies and pilots show most customers save money and energy under TOU rate plans.¹⁰ PG&E's pilot found customers consumed 4.2% less energy during the TOU pilot peak hours of 4:00 to 9:00 p.m. While many customers shifted their electricity usage from peak to off-peak times (for example, by using appliances before 4:00 p.m. or after 9:00 p.m.), PG&E also found an overall trend towards energy conservation, resulting in bill savings. For example, Sonoma Clean Power customers who participated in the pilot reduced their overall energy consumption by 1.72%. While these customers shifted some of their usage to 7:00 a.m. to 2:00 p.m. on weekdays and 9:00 a.m. to noon on weekends, this was offset by usage reductions in other hours.¹¹

PG&E performed an analysis of impacts to SJCE customers. Most customers (approximately 77%) would see savings under a TOU rate. Based on interval usage data,¹² PG&E estimates approximately 33,000 customers (23%) would be negatively impacted by the TOU transition, *i.e.*, the default TOU rate plan would be more expensive for them than the tiered rate plan. It is important to note that SJCE plans to offer bill protection for these customers and credit them the cost increase for the first year. Also, customers can opt out to their old tiered rate plan or select different TOU rate plans at any time.

⁷ PG&E presentation on July 23, 2019, "TOU Transition Notifications: SJCE CCA Review"

⁸ PG&E presentation on August 1, 2019, "CCA TOU Full Transition Check-In"

⁹ PG&E presentation on March 21, 2019, "CCA SJCE TOU Full Transition Bill Protection"

¹⁰ Lawrence Berkeley National Lab (2017), *Final Report on Phase 2 Results: 2025 California Demand Response Potential* Study, pg. 5-25. https://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442452698

¹¹ PG&E presentation on April 17, 2019, "Default Pilot PRELIM Load Impacts: Summer 2018 Results"

¹² PG&E meters capture usage data every 15 minutes.

Figure 2. depicts the annual projected costs and savings for customers. Approximately 77% of customers are projected to save money on a TOU rate plan while approximately 23% are expected to experience increased costs. These customers may take action to stay on their tiered rate plan instead of defaulting to a TOU plan.



Figure 2: PG&E chart predicting annual customer savings and bill increases under new TOU rates

In PG&E's analysis, nearly 3,000 customers who receive CARE and FERA income-based discounts on their electricity bill will see higher bills under the default TOU rate plan. CARE and FERA customers are considered to be low-income; a family of three qualifies for a CARE discount if their annual household income is under \$42,660. To avoid increasing the electricity bills of customers who are already struggling to pay them, staff will perform additional targeted outreach to CARE and FERA customers and encourage them to select their old tiered rate plan. Staff will also regularly promote energy efficiency and load shifting tips to help customers reduce their bills.

Customers lacking the ability to shift their usage outside of 4:00 p.m. to 9:00 p.m. or without access to technologies like smart thermostats and smart appliances may also not benefit from the TOU transition. SJCE is offering 12 months of bill protection to protect customers in these situations. Towards the end of the first 12 months on the TOU rate, customers who would have lower bills on a non-TOU rate schedule will receive notification and be suggested to switch rate schedules.

Rate Design

PG&E changes its rate schedule offerings from time to time, closing rate schedules to new customers, transitioning customers on one rate schedule to a similar but different rate schedule, and creating new rate schedules. Though PG&E is required to give notice about such changes, such notices do not always allow SJCE sufficient time to receive Council approval on a case-by-

case basis to create a similar rate. This can cause confusion and/or additional costs for customers because PG&E's delivery portion and SJCE's Generation portion of bills may conflict for weeks, or even months. Customers are more likely to view such confusion and inconvenience as a reason to opt out of SJCE service.

In the very near term, in response to the CPUC Decision D. 18-08-013, PG&E is launching a suite of new rate schedules (B-rates) for non-residential customers, which are available to customers November 1, 2019 on a voluntary basis and become mandatory (replacing a similar suite of rates, "E-rates") November 1, 2020.¹³ The new rate schedules change the more expensive, "peak" hours from the current 12 p.m.–6 p.m. to 4 p.m.–9 p.m. These rates shorten the more expensive "summer" rate period from six months to four months, and increase the rates in the "winter" rate period relative to those in the summer rate period. Some classes of customers are expected to have lower total electricity bills, and some are expected to have higher bills, but overall the new rates are expected to be revenue neutral to both SJCE and PG&E.

Since many customers will benefit from lower electricity bills under the B-rates, customers are expected to migrate to the B-rates beginning November 2019. If SJCE does not have "parallel" B-rates, customers could opt out of SJCE service. Any customer that opts out and returns to PG&E bundled service must wait at least one year before returning to SJCE service. Since non-residential customers account for more than half of SJCE revenue, it is very important to avoid such potential situation. Consistent with the Implementation Plan, SJCE should adjust its rate structure in response to any changes to PG&E's rate design.

EVALUATION AND FOLLOW-UP

No further follow-up with the City Council related to the transition to the TOU rate is anticipated at this time.

Staff will prepare an information memorandum for Council notifying the offering by SJCE of a new rate schedule in response to any changes to PG&E's rate design.

POLICY ALTERNATIVES

TOU Transition

Alternative 1: SJCE does not participate in PG&E's TOU transition

Pros: This may avoid annual net revenue losses of \$1.5 million - \$2.4 million. **Cons:** This may create confusion for customers as they will be charged at TOU rates for electric delivery and a flat rate for electric generation. SJCE would also appear to be unsupportive of

¹³ PG&E Advice Letter AL-5626-E. https://www.pge.com/tariffs/assets/pdf/adviceletter/ELEC_5626-E.pdf

statewide efforts to better align rates with the cost of providing energy and reduce fossil fuel usage.

Reason for not recommending: SJCE supports efforts to increase usage of renewable energy and eliminate fossil fuels, as well as efforts to reduce electricity bills. SJCE also recognizes how customer behavior, specifically the timing of their energy usage, can help achieve state clean energy goals.

Rate Design

Alternative 1: City Council does not adopt a resolution authorizing SJCE to match PG&E's rate structure.

Pros: City Council will be able to approve every new rate schedule created by SJCE. **Cons:** If customer starts service on a PG&E rate that SJCE does not offer or is delayed in offering, it can cause confusion and/or additional costs for customers, in which they are on conflicting rates for PG&E's delivery portion and SJCE's generation portion of bills for weeks or months. Customers are more likely to view such confusion, potential expense, and inconvenience as a reason to opt out of SJCE service.

Reason for not recommending: Approving the recommendation will allow SJCE to retain customers, increase its competitiveness, and maintain its ability to serve customers smoothly and without interruption.

PUBLIC OUTREACH

This memorandum will be posted on the City's Council Agenda website for the October 8, 2019 Council Meeting.

COORDINATION

This memorandum has been coordinated with the City Attorney's Office and the City Manager's Budget Office.

COMMISSION RECOMMENDATION/INPUT

On September 5, 2019, the Clean Energy Community Advisory Commission recommended that SJCE join the PG&E TOU transition.

COST SUMMARY/IMPLICATIONS

TOU Transition

SJCE could face financial impacts from three sources: bill protection, lost revenue from customer rate savings, and lost revenue from energy conservation.

1. Neutral or increased revenue from bill protection

SJCE can choose to offer bill protection for one year to customers who see increased bills under the default TOU rate. It is important to note that PG&E is also choosing to provide this benefit. The increased bill costs are totaled at the end of the year, and SJCE administers a credit to cover the difference. Staff estimate that bill protection costs will total approximately \$570,000. This allows SJCE to remain revenue neutral because the credits are offset by increased payments throughout the prior year.

If these customers continue to stay on the TOU rate plan after the year of bill protection ends, SJCE revenue from them would increase. Assuming constant usage and rates, revenue increases could total approximately \$570,000 per year. However, any such revenue increase should not be part of a planned case for several reasons: customers may change rate plans, usage may shift so that they use less electricity during expensive, peak hours; and some customers' usage may be reduced from installing solar, or energy efficiency measures.

2. Lower revenue from customer savings

For SJCE customers that are projected to save with a TOU rate plan, PG&E estimates an average annual savings of \$15.77 per customer. To predict the total impact on revenue, staff modeled two scenarios:

	Base case	Worst case
Number of customers saving	159,972	183,424
Total annual customer savings	\$2,522,119	\$2,891,869
SJCE net revenue loss	\$2,000,000	\$1,800,000
Savings as a percentage of SJCE revenue	Approximately 3.0%	Approximately 3.4%

3. Lower revenue from energy conservation

A 1.72% drop in residential usage would result in approximately \$3,000,000 less total revenue for SJCE annually. This is a relatively minor loss that can be covered by operating reserves and SJCE can modify its procurement strategy to further reduce costs. It is important for SJCE to build a sufficient operating reserve to withstand these types of load changes that can occur due to a variety of factors including weather, usage changes, and broader economic changes.

Rate Design

1. Lower revenue from customer opt out

If City Council does not adopt a resolution authorizing SJCE to match PG&E's rate structure, it can cause confusion and/or additional costs for customers, in which they are on conflicting rates for PG&E's delivery portion and SJCE's generation portion of bills for weeks or months. Customers are more likely to view such confusion, potential expense, and inconvenience as a reason to opt out of SJCE service, which would reduce SJCE revenues and net revenues.

<u>CEQA</u>

CEQA: Statutorily Exempt, File No. PP17-005, CEQA Guidelines Section 15273, Rates, Tolls, Fares, and Charges.

/s/ LORI MITCHELL Director, Community Energy

For questions please contact Zach Struyk, Deputy Director of Account Management and Marketing in Community Energy, at (408) 535-4868.

Attachments

- 1. PG&E TOU Transition Customer Notifications
- 2. PG&E Presentations to CCAs



CCA LOGO HERE Attachment 1 - PG&E TOU Transition Customer Notifications

Your electric service will move to a Time-of-Use rate plan in <Month Year>. Learn more about your options below. Visit: pge.com/TOUchoice Call: 1-866-743-7945

Account No:
Service Agreement ID: >
Service Address:

California's electric customers will begin moving to a Time-of-Use rate plan <u>risk-free</u> to support our ongoing commitment to clean energy.

In <<u>Month Year></u>, your account is scheduled to transition from your current rate plan to the **Time-of-Use (Peak Pricing 4-9 p.m. Every Day)** rate plan, as part of a California statewide initiative to ensure greater power reliability and a better energy future.

- Receive lower electricity pricing during most of the day.
- Electricity prices will be higher for five hours in the late afternoon and early evening (4–9 p.m.) when demand for electricity is generally higher and the cost is greater, called peak times. Small shifts in energy usage can help you save.
- Try this plan risk-free with automatic Bill Protection for 12 months. <Some accounts may not be eligible for full Bill Protection.>
- You can also stay on your current rate plan or choose another rate plan that's right for you at any time if you are not satisfied.
- See reverse to learn more about this and other rate plans. If you have an electric vehicle (EV), learn more about specific EV rate plans at pge.com/evrates.

Your Personalized Electric Rate Plan Comparison

This report is based on your last 12 months of electricity usage and assumes no change to how you use energy. Estimates do not include gas.

Your Rate Plan Options	Current Rate Plan Tiered (E-1)	Transition Rate Plan Time-of-Use (Peak Pricing 4–9 p.m. Every Day) (E-TOU-C)	Optional Rate Plan Time-of-Use (Peak Pricing 5–8 p.m. Weekdays) (E-TOU-D)
	Two pricing levels based on monthly usage. Price does not vary by hour of the day.	Higher prices 4-9 p.m. every day. Lower prices at all other times.	Higher prices 5-8 p.m. on weekdays. Lower prices at all other times.
Total Electricity Costs*	<\$XX/year>	<\$XX/year>	<\$XX/year>

Your lowest cost rate plan is:

* Estimates assume current PG&E prices and will not match your previous 12 months' bill.

Make your rate plan choice by <Month Day, Year>.

Option 1: Take action to stay on your current rate plan or choose a different rate plan. Visit pge.com/TOUchoice, or call 1-866-743-7945, or complete and mail back the form below. Option 2: Take no action and automatically transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan in <<u>Month Year>.</u>

<Month Day, Year>

«Customer First Name» «Customer Last Name» «Mailing Address1» «Mailing Address2» «Mailing City», «Mailing State» «Mailing ZIP»

More about the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) E-TOU-C rate plan

California leads the nation in generating clean, renewable energy from sources such as wind and solar. Time-of-Use rate plans are an easy way for Californians to continue our clean energy leadership by shifting some energy usage to times of day that have a greater reliance on renewable energy while ensuring a more responsible and sustainable energy future for generations to come.

You will receive Bill Protection for up to the first 12 months, so you can **try it risk-free**. If you pay more during your first year on **Time-of-Use (Peak Pricing 4–9 p.m. Every Day) E-TOU-C** than you would have on your current rate plan, you will receive a credit for the difference at the end of the first 12 months. Learn more at **pge.com/billprotection** <and at [CCA URL]>.

You have additional rate plan options. See your personalized rate comparison on the front of this page or by visiting pge.com/TOUchoice.

Current Rate Plan: Tiered (E-1)

This rate plan:

- Has two pricing levels and a High Usage Surcharge.
- Works best for customers who are unable to shift or reduce their energy usage during certain times of day.

Optional Rate Plan: Time-of-Use (Peak Pricing 5–8 p.m. Weekdays) (E-TOU-D)

This rate plan is best if you:

- Can reduce your energy usage from 5 p.m. to 8 p.m. on weekdays.
- Have a high total monthly energy usage.

<All rate plans include electric delivery and generation. PG&E provides delivery and <CCA> provides generation.>

Financial Support Programs



Enroll in California Alternate Rates for Energy (CARE) or Family Electric Rate Assistance (FERA) Program: The CARE and FERA Programs offer a discount on gas and electric rates. Visit **pge.com/care** or **pge.com/fera** to find out if you are eligible and to enroll.



Apply for Medical Baseline: This program reduces energy bills for households with qualifying medical issues and/or equipment. Visit **pge.com/medicalbaseline** to apply.

Apply for Vulnerable Customer status: We help address the needs of our customers whose life or health would be at risk should their electric or gas service be disconnected. Visit **pge.com/vcstatus** to learn more.



Set up third-party notifications: Illness and other hardships make it tough to pay bills. If you worry about a family member or friend's ability to pay, we can notify you when payment is late. PG&E can also notify someone on your behalf. Visit **pge.com/thirdpartynotification** for details.

To find out if you qualify for any of these programs, visit the websites listed above or call 1-866-743-7945.

"PG&E" refers to the Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. ©2020 Pacific Gas and Electric Company. All rights reserved. These offerings are funded by California utility customers and administered by PG&E under the auspices of the California Public Utilities Commission. PG&E prints its materials with soy-based inks on recycled paper. CRR-0118-8741



[FRONT/BOTTOM of letter]

To choose a different rate plan or to remain on your current rate plan, complete and return this portion by [MM/10/YYYY].

Your rate plan will automatically transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) Rate Plan in <MONTH YYYY>.

Name: <First Name><Last Name> Service Address: <Premise address 1> Service Agreement ID:<SAID> Account No.: <Account No> Solar Customer (NEM): <Y/N>

If you would like your rate plan to automatically transition to Time-of-Use (Peak Pricing 4 - 9 p.m. Every Day) in [Month YYYY], <u>NO ACTION IS NEEDED</u>. Otherwise, please make a selection below by marking an X:

Choose rate plan: Time-of-Use (Peak Pricing 5–8 p.m. Weekdays) E-TOU-D Remain on my current rate plan: Tiered Rate Plan (E-1)

A signature is required Sign Here

Date:

By submitting this form, I certify that I am the PG&E customer of record for the account of which I am requesting a rate change. I understand that changing the rate plan for this account will affect future bills. In addition, this rate change will take effect starting with the first day of the next billing cycle, after receipt of my request to change my rate schedule.

FPO

[BACK portion of perforated section]



REMINDER: If you would like to make your rate choice online instead, visit pge.com/TOUchoice

By submitting this card, you agree to all of the following:

- 1. You understand your current electric rate plan will change based on your selection, as indicated on the front of this card.
- 2. You are the account holder of record.
- 3. Applicable to stated premise address only.



If the return envelope is lost, please mail in a self-addressed, stamped envelope to: Pacific Gas & Electric Company P.O. Box 997300 Sacramento, CA 95889-7300 TO MAIL IN THIS RATE PLAN CHOICE CARD, REMEMBER TO:
 FILL OUT ALL FIELDS ON THE FRONT SIDE INCLUDING SIGNATURE
 PLACE THE CARD INSIDE ENVELOPE PROVIDED
 INCLUDE YOUR RETURN ADDRESS ON

INCLUDE YOUR RETURN ADDRESS ON THE OUTER ENVELOPE

MAIL BY DATE INDICATED ON REVERSE

This page intentionally blank

30 DAY LETTER, PAGE 1



CCA LOGO HERE

<Month Day, Year>

«Customer First Name» «Customer Last Name» «Mailing Address1» «Mailing Address2» «Mailing City», «Mailing State» «Mailing ZIP»

Dear // Dear // First Name// Last Name// Dear

Soon, many of California's energy customers will be moving to a Timeof-Use rate plan, *risk-free*, that supports the state's ongoing commitment to clean energy. We want to remind you of this change and your options.

Try it risk-free

You can try the **Time-of-Use (Peak Pricing 4–9 p.m. Every Day)** rate plan *risk-free* for the first 12 months with automatic Bill Protection.

- If you pay more during your first year on the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan than you would have on your current rate plan, you will receive a credit for the difference at the end of the first 12 months.
- If you decide you are not satisfied on this rate plan, you can switch to another rate plan at any time.
- <Some accounts may not be eligible for full Bill Protection.>

Or, you can choose another rate plan

Every household is unique - and so is the way you use energy. That's why there are new rate plan options for you to choose from. You have the option to:

- Do nothing and automatically transition to the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan so you can try it risk-free, or
- Take action to stay on your current rate plan or choose a different rate plan. When you visit pge.com/TOUchoice, you can view a personalized rate review that shows your rate plan options.

Visit **pge.com/TOUchoice** or call **1-866-743-7945** by Month Day, Year> to make your choice.

Thank you for being a valued customer,

The PG&E <and><CCA Name> Customer Care Team<s>



Your electric service will move to a Time-of-Use rate plan in <Month Year>. Learn more about your options below. Visit: pge.com/TOUchoice Call: 1-866-743-7945

Account No: Account No: science.com"/>science.com Science.com Science.com Science.com Science.com Account and account a

What the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan means for you

When you use electricity is as important as *how much* you use.

- Your electric account is scheduled to transition to the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan, risk-free, in <Month Year> from your current rate plan.
- You will receive lower electricity pricing during most of the day, when energy demand is lower.
- Electricity prices will be higher for five hours every day in the late afternoon and evening (4–9 p.m.), when demand for electricity is generally higher.
- If you can make small energy use changes, like running the dishwasher or doing laundry during lower-priced times of day, you may be able to benefit from a Time-of-Use rate plan. Learn more ways to save energy at pge.com/saveenergy< and CCA URL>.

30 DAY LETTER, PAGE 2



Time-of-Use: The plan for California

California leads the nation in generating clean, renewable energy from sources such as wind and solar. Time-of-Use rate plans are an easy way for Californians to continue our clean energy leadership while ensuring a more responsible and sustainable energy future for generations to come.

Time-of-Use plans offer:

Lower-priced power when demand is less

Greater use of renewable energy

A path to a better and healthier energy future for California

We are committed to our customers, our community, and the environment. Together, we can make a big difference without sacrificing comfort, simply by shifting some usage away from high-demand times—all while receiving safer, cleaner and more reliable energy.



Check the hour before using power

The Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan has two time periods:





Visit pge.com/TOUchoice by < Month Day, Year> to make your rate plan choice.





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2018



5 5 2 3

Make your rate plan choice today Your electric service will move to a Timeof-Use rate plan in <Month Year>

Learn about your options by visiting our website or call us at 1-866-743-7945

Learn more »

Dear <First Name> <Last Name>,

Soon, many of California's energy customers will be moving to a Time-of-Use rate plan, risk-free, that supports the state's ongoing commitment to clean energy.

Try it risk-free

- The Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan is risk-free for the first 12 months with automatic Bill Protection. .
- If you pay more during your first year on the Time- of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan than you would have on your current rate plan, you will receive a credit for the difference at the end of the first 12 months. .
- Learn more about Bill Protection below.*

Make your rate plan choice by <Month Day, Year>

- 1. Do nothing and automatically transition, risk-free, to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan,
 - O
- 2. Take action to stay on your current rate plan or choose a different rate plan. View a personalized rate review here.



Choose your rate plan by <Month Day, Year>

Make your choice »

What the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan means to you

When you use electricity is as important as how much you use.

- · Your electric account is scheduled to transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan, risk-free, in <Month Year> from your current rate plan.
- · You will receive tower electricity pricing during most of the day, when energy demand is lower.
- · Electricity prices will be higher for five hours every day in the late afternoon and evening (4-9 p.m.), when demand for electricity is generally higher.
- . If you can make small energy use changes, like nanning the dishwasher or doing laundry, during tower-priced times of the day, you may be able to benefit from a Time-of-Use rate plan. Learn more ways to save energy here.

Check the hour before using power

The Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan has two time periods:





If you need special assistance with your bills, there are programs that can help, like Medical Baseline, Vulnerable Customer status or Third-Party Notification. To find out if you qualify and to apply, call 1-866-743-7945 or visit pre.com to learn more.

*How does Bill Protection work? You can try the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan risk-free for the first 12 months with automatic Bill Protection (Some accounts may not tre eligitile for full Bill Protection). If you pay more during your first year on the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan than you would have on your current rate plan, you will receive a credit for the difference at the end of the first 12 months. If you decide you are not satisfied on this rate plan, you can ewith the another rate plan, at any time. Bill Protection will chill apply for the time that you switch to another rate plan at any time. Bill Protection will still apply for the time that you were on the Time of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan.



CRR TBD

Attachment 2 - PG&E Presentations to CCAs

CCA SJCE TOU Full Transition Bill Protection

March 2019





Assumptions

- All eligible customers choose to participate in the transition
 - View PG&E Dashboard for total pretransition versus post transition population
- Customers excluded from the *analysis* and PG&E proposed to exclude them from the transition:
 - Customers with more than 3 electric services per account
 - CARE and FERA enrolled in a hot climate zone
 - Medical baseline customers
 - Customers with less than 12 months of interval data
 - Customers not on the tiered rate plan
 - There are other exclusions for full transition that are not included in this analysis due to data limitations (e.g., For the full transition, CARE/FERA *eligible* in hot climate zones will be excluded. This analysis only excludes customers enrolled in CARE and FERA)
 - Reduction in population by up to 5% in hot climate zones
- Customers excluded from the *analysis*, but PG&E proposed to include them in the transition:
 - Customers on a NEM Rate
- PG&E prices effective 1/1/2019
- 2018 usage
- CCA enrollment as of the end of February 2019

2



	TOU MORE expensive than Tiered Rate	TOU LESS expensive than Tiered Rate
Estimated Annual Generation Bill Difference (\$)	\$466,870	\$1,767,547
Number of Customers Impacted	33,314	112,111
Annual Bill Impact/Customer	\$14.01	\$15.77
Total TOU-C Generation Revenue		

Appendix



Time-of-Use Pilot Dashboard 2017-18



Program Goal: Transition first phase of customers to a new Time-of-Use rate plan as part of statewide efforts to create a smarter energy future and healthier environment while keeping customer rates affordable





Time-of-Use Pilot Dashboard 2017-18 Appendix



Metric 1: Customers aware there are rate plans that may help them mitigate energy expenditures (change of question) Metric 2: Customers aware where to get info about assistance offered by PG&E (dotted line represents phone sample only) Metric 6: Customers aware PG&E provides rebates, energy savings programs, DR programs, energy management technologies, and tips (2 new terms added) Metric 8: Customers aware of TOU Metric 9: Customers aware a choice of rate plans is available so you can decide which rate plan best suits their needs



Metric 3: Customers understand how to manage electric bill using the rate plan that they are currently on Metric 4: Customers understand reducing electricity will save money, reduce bill, improve reliability, help environment, control bill

Metric 5: Customers understand shifting electricity use will save money, reduce bill, improve reliability, help environment, control bill

Metric 7: Customers think information was useful Metric 10: Customers are satisfied with product and services offered by PG&E

Additional Metrics

CARE/FERA Enrollment by Rate			
Rate (As of 1/8/19)	CARE		FERA
E-1		1,074,750	21,405
E-TOU-A		20,294	879
E-TOU-B		10,650	550

Third Party Notifications (As of 12/31/18): 118 customers Vulnerable Customers (As of 12/31/18): 2263 customers

Time-of-Use Pilot Dashboard 2017-18 Glossary

Non-Benefiter: Increase of \$20 to \$100 (non-CARE), Increase of \$10 to \$50 (CARE)

• Extreme Non-Benefiter: Increase of >\$100 (non-CARE), Increase of >\$50 (CARE)

Current Status indicates the number of original transitioned customers

(CARE)

(113,991) who (as of date):

Switch back to E1 Tiered

• Switch to another TOU (TOUA, TOUB, EV) Stopped/Closed service agreement

Remain on TOUC



Key Insights	Customer Outroach	CustomerSelections
A summary of the Time-of-Use Pilot progress throughout the recent months, including previous achievements, milestones, and/or highlights *Bill protection savings chart not included in respective box to align with other two IOUs.	Highlights/results of previous and upcoming communications related to the Time-of-Use pilot will be featured in this box (i.e. survey results, campaigns)	Rate Change Selection by Channel: the total number of active customers sorted by channel used to switch from TOUC rate plan to a different rate plan (Website, CSR, IVR) Rate Change Selection by Type: the total number of active customers who switched off from TOUC rate plan to different rate plan sorted by name (E1, TOUA, TOUB, EV)
Default Transition Summary		
Summary of Pre-transition Time-Of-Use Pilot status		
Ineligible: the total number of customers who became ineligible during the	Arrears/Disconnections	Bill Protection
 notification period (Medical Baseline, customers already on TOU rate plan) Declined: the total number of customers who declined the transition (through one of PG&E's opt-out channels – Call Center, IVR, Microsite) during the notification period to E1 or TOU rate (before 5/1) Transitioned Population: the total number of customers whose rate plan effectively transitioned on to the new TOU-C rate plan during the transition period (cutoff: 5/1) Bill Impact Status Classification Definitions (Comparing ETOUC to E1 Tiered rate plan) Annual Bills that are Benefiter: Decrease of > \$10 (non-CARE), Decrease of >\$5 (CARE) 	Arrears: the percentage of customers on TOUC on arrearages compared to tiered customers (late on payment) Disconnections: the percentage of customers on TOUC who experienced a disconnection for non- payment compared to tiered customers	Total amount of Bill Protection (BP) \$ paid out to our customers by month bucketed by "Active" and "Closed" service agreements Active BP Paid: BP (\$) paid to customers who are still active PG&E customers that month Closed BP Paid: BP (\$) paid to customers who stopped/closed their service that month Active # SA: # of active PG&E customers who received BP that month Closed # SA: # of closed PG&E customer accounts who received BP that month *Bill protection savings chart not included to align with other two IOUs, included in Key Insights
 notification period (Medical Baseline, customers already on TOU rate plan) Declined: the total number of customers who declined the transition (through one of PG&E's opt-out channels – Call Center, IVR, Microsite) during the notification period to E1 or TOU rate (before 5/1) Transitioned Population: the total number of customers whose rate plan effectively transitioned on to the new TOU-C rate plan during the transition period (cutoff: 5/1) Bill Impact Status Classification Definitions (Comparing ETOUC to E1 Tiered rate plan) Annual Bills that are Benefiter: Decrease of > \$10 (non-CARE), Decrease of \$0 to 5 (CARE) Neutral (+): Increase of \$0 to 10 (non-CARE). Increase of \$0 to 5 (CARE) 	Arrears: the percentage of customers on TOUC on arrearages compared to tiered customers (late on payment) Disconnections: the percentage of customers on TOUC who experienced a disconnection for non- payment compared to tiered customers	Total amount of Bill Protection (BP) \$ paid out to our customers by month bucketed by "Active" and "Closed" service agreements Active BP Paid: BP (\$) paid to customers who are still active PG&E customers that month Closed BP Paid: BP (\$) paid to customers who stopped/closed their service that month Active # SA: # of active PG&E customers who received BP that month Closed # SA: # of closed PG&E customer accounts who received BP that month *Bill protection savings chart not included to align with other two IOUs, included in Key Insights omer Engagement by Channel

Call Center Activity Graph*: Of the Phase 1 population, the total number of calls to the general PG&E contact center after April 16 by month

Call Dispositions*: Of the Phase 1 population, the total number of calls to the general PG&E contact center after April 16 by month broken into various call topics (rate, assistance programs, shutoff/collection, translation, CCA, solar, bill)

*During this period, PG&E tracked calls to the general line from customers with service agreements that had transitioned to the TOU rate plan. To estimate the number of calls related to the TOU transition, PG&E included all of the calls from those transitioned customers that were tagged (per customer service representatives discretion) with an intent that may have been related to "TOU," excluding only those calls that were obviously not related to TOU (such as an outage or a digging report).

TOU Website Page Hits: the total number of page views to PG&E's TOUC webpage by month

TOU Transitions Notifications

SJCE CCA Review July 23rd 2019





Today we will...

- Review PG&E Default Pilot notifications learnings and first year accomplishments
- 2. Present 2020-2021 full transition notifications approach
- 3. CCA review and approval timeline
- 4. Q&A





Research and customer reaction point to transition success

After extensive, multi-year pre-research and in market testing, TOU transition customers are responding well to the experience as demonstrated un numerous data points we will review together today.

Because of these results, notification outreach remains relatively unchanged from the Default Pilot.



Background

The 2018 transition was designed to test various ways to measure cadence, channel, and message testing in a 13-track customer segmentation that varied delivery of outreach.

TARGET AUDIENCE	TEST OBJECTIVES
 Approximately 153,000 randomly selected customers across PG&E territory 	 Test messages for awareness and understanding
 Included approximately 25,500 CCA customers (MCE, SCP, SVCE) Hot climate CARE customers were excluded 	 Test cadence of messages Compare track results for any significance in outcomes

ME&O TACTICS

• 90, 60, 30 Day notifications; one of the notifications is a rate comparison report of 3 rates

• Sent via Direct Mail, Email, according to track assignment



The ~150,000 customers were placed into one of 13 outreach test tracks to gage effectiveness of communication channels, cadence, versioning, etc.









Default pilot notifications were researched and designed to mitigate potential negative customer reaction, highlight choice



TOU Pilot Customer Research

Multiple rounds of customer research were conducted to optimize communications and the customer experience



Understanding of TOU rate

Communications optimization & effectiveness

Impact on energy consumption behavior

Customer experience with the transition and on TOU

Pre-pilot baseline

Wave 1 post transition

Wave 2 post summer



Highlights from transition customers – Year 1



Satisfaction remained stable

Continued high levels of awareness

Understanding of rate details remained intact

Customers took action to shift and reduce

ME&O test tracks performed comparably well

CCA customers responded similarly well throughout the pilot



Awareness climbed and remained high in key areas:







pm

Graph represents the percent of customers that accurately choose each time period as included in the peak hours in their rate plan.










- Satisfaction with rate plan remained stable at 6.5/10
- Continued high levels of awareness and understanding
- CCA customers *more aware* of the transition and of choice compared to bundled customers
- 53% of CCA customers said they are taking actions to shift or reduce (comparable to PG&E bundled customers)



PG&E's results are comparable to or higher than other California IOUs

	Wave 2	PG&E	SCE	SDG&E
~	Aware household part of transition	62%	48%	59%
ی کم کر	Aware can decline transition (if aware)	64%	60%	69%
کے	Aware of TOU rates	81%	73%	81%
	Aware of rate choices	52%	48%	52%
	Understanding of peak hour times	62-76%	41-61%	60-72%
	Awareness of Bill Protection	22%	17%	23%
	Understanding of Bill Protection	28%	17%	23%
And and a second	Have shifted or reduced electricity	47%	40%	50%



TOU transition customers have shifted and/or reduced usage



overall say they have shifted (35%) and/or reduced (24%)

All who have shifted or reduced





PG&E outperformed other IOUs in overall load drop and in hot and moderate climate zones

Segment	Load Drop % Impact						
	PG&E	SCE	SDG&E				
Hot	5.2%	2.0%	3.6%				
Moderate	4.3%	1.3%	1.7%				
Cool	1.4%	1.5%	1.2%				
All	4.0%	1.5%	1.5%				

Full Default Notifications Approach



Full Transition Notification Roadmap



Main components:

- > 90 Day Rate Comparison DM letter
- > 30 Day DM letter *and* EM for all valid email customers

Approach provides between 2 – 3 touches

- Supported by awareness from test tracks overall
 - track "G" for paper-billed
 - tracks "H + I" for paperless billed

Additional outbound call for CARE/FERA customers (3rd or 4th touch for these customers)



TOU Transition Notifications – see PDF for review docs



Pacific Gas and Electric Company P.O. Box 770000 San Francisco, CA 94177-1490 Account No: <<Account ID>> Service Agreement ID: <<SAID>> Service Address: <<Service Address 1>>

Starting in March 2018, California's electric customers will begin moving to a Time-of-Use rate plan risk-free to support our ongoing commitment to clean energy.

In March 2018, your electric account is scheduled to transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan from your current rate plan.

- · Receive lower electricity pricing during most of the day.
- Electricity prices will be higher for five hours in the late afternoon and early evening (4-9 p.m.), when demand for electricity is generally higher and the cost is greater, called peak times. Small shifts in energy usage can help you save.
- · Try this plan risk-free with automatic Bill Protection for 12 months.
- You can also stay on your current rate plan or choose another rate plan that's right for you at any time if you
 are not satisfied. Bill Protection will still apply for the time that you were on the Time-of-Use (Peak Pricing
 4-9 p.m. Every Day) rate plan.
- · See reverse to learn more about this and other rate plans.

Your Personalized Electric Rate Plan Comparison

This report is based on your last 12 months of electricity usage and assumes no change to how you use energy. Estimates do not include gas.

Your Rate Plan Options	Your Rate Plan Dptions Current Rate Plan Tiered (E-1) Two pricing lawsic based on monthly issage. Price does not vary by hour of the day.		Optional Rate Plan Time-of-Use (Peak Pricing 4-9 p.m. Weekdays) Higher prices 4-9 p.m. on weekdays. Lower prices at all other times.
Total Electricity Costs*	\$3,064/year	\$3,164/year	\$3,217/year

Your lowest cost rate plan is: [NAME]

* Estimates assume current PG&E prices and will not match your previous 12 months' bill.

Make your rate plan choice by March 1, 2018.

Option 1: Take action to stay on your current rate plan or choose a different rate plan. Visit pge.com/TOUchoice or call 1-800-xxx-xxxx. Option 2: Take no action and automatically transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan in March 2018.

90 Day Rate Comparison



Pacific Gas and Electric Company P.O. Box 997300 Sacramento, CA 95899-7300

<Month XX, 2018>

<FIRST NAME> <LAST NAME>
<BILLING_ADDRESS1>
<BILLING_ADDRESS2>
<BILLING_CITY> <BILLING_STATE> <BILLING_PLUS4>

dearoode>

Dear [First Name] [Last Name],

Soon, many of California's energy customers will be moving to a Time-of-Use rate plan, *risk-free*, that supports the state's ongoing commitment to clean energy. We want to remind you of this change and your options.

Try it risk-free

the **Time of Use (Peak Pricing 4-9 p.m. Every Day)** rate the first 12 months with automatic Bill Protection. The first 12 months with automatic Bill Protection the Use Peak the Institution of the Immediate Bill Protection the difference at the end of the satisfied on this rate the Bill Protection the Bill



Your PG&E electric service will move to a Time-of-Use rate plan in April 2018. Make your rate plan choice today. Visit: pge.com/TOUchoice Call: 1-866-743-7945

Account No: <<Account ID>> Service Agreement ID: <<SAID>> Service Address: <<Service Address 1>>

What the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan means for you

When you use electricity is as important as how much you use.

- Your electric account is scheduled to transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan, *risk-free*, in March 2018 from your current rate plan.
- You will receive lower electricity pricing during most of the day, when energy demand is lower.
- Electricity prices will be higher for five hours every day in the late afternoon and evening (4–9 p.m.) when demand for electricity is generally higher.
- If you can make small energy use changes, like running the dishwasher or doing laundry during lower-priced times of day, you may be able to benefit from a Time-of-Use rate plan. Learn more ways to save energy at pge.com/Saveenergy.

See reverse side »

30 Day Letter (+ Email)



Sample CCA Notifications from Default Pilot



<Month XX, 2017>

«FIRST NAME> «LAST NAME> «BILLING_ADDRESS1» «BILLING_ADDRESS2» «BILLING_CITY» «BILLING_STATE> «BILLING_PLUS4» «Darcode»

Dear [First Name] [Last Name],

Soon, many of California's energy customers will be moving to a Time-of-Use rate plan, that supports the state's ongoing commitment to clean energy. We want to let you know about this change and your options.

Try it for one year

You can try the **Time-of-Use (Peak Pricing 4–9 p.m. Every Day)** rate plan for the first 12 months with automatic Bill Protection. If you pay more during your first year on the **Time-of-Use (Peak Pricing 4–9 p.m. Every Day)** rate plan than you would have on your current rate plan, we will credit you with the difference at the end of the first 12 months. If you decide you are not satisfied on this rate plan, you can witch to another rate plan at any time. Some accounts may not be eligible for full Bill Protestion. Learn more at **mccCleanEnergy.org/time-of-use-everyday**/.

Or, you can choose another rate plan

Every household is unique—and so is the way you use energy. That's why we have new rate plan options for you to choose from. You have the option to:

- Do nothing and automatically transition to the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan so you can try it, or
- Take action to stay on your current rate plan or choose a different rate plan. In approximately one month, we will send you a personalized rate review that shows you your rate plan options. You can also view this information now by visiting pge.com/TOUchoice.

Visit **pge.com/TOUchoice** or call **1-866-743-7945** by March 1, 2018 to make your choice.

Thank you for being a valued customer,

The Pacific Gas and Electric Company and Marin Clean Energy Customer Care Teams



Your electric service will move to a Time-of-Use rate plan in March 2018. Learn about your options. Visit: pge.com/T0Uchoice Call: 1-866-743-7945

Account No: <<Account ID>> Service Agreement ID: <<SAID>> Service Address: <<Service Address 1>>

What the Time-of-Use (Peak Pricing 4–9 p.m. Every Day) rate plan means for you

When you use electricity is as important as how much you use.

- Your electric account is scheduled to transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan in March 2018 from your current rate plan.
- You will receive lower electricity pricing during most of the day, when energy demand is lower.
- Electricity prices will be higher for five hours every day in the late afternoon and evening (4-9 p.m.), when demand for electricity is generally higher.
- If you can make small energy use changes, like running the dishwasher or doing laundry during lower-priced times of day, you may be able to benefit from a Time-of-Use rate plan. Learn more ways to save energy at pge.com/saveenergy.



Account No: Service Agreement ID: Service Address:

Your PG&E electric service will move to a Time-of-Use rate plan in April 2018. Learn about your options below. Visit: pge.com/TOUchoice Call: 1-866-743-7945

California's electric customers will begin moving to a Time-of-Use rate plan to support our ongoing commitment to clean energy.

In April 2018, your account is scheduled to transition from your current rate plan to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate, as part of a California statewide initiative to ensure greater power reliability and a better energy future.

- · Receive lower electricity pricing during most of the day.
- Electricity prices will be higher for five hours in the late afternoon and early evening (4–9 p.m.), when demand for
 electricity is generally higher and the cost is greater, called peak times. Small shifts in energy usage can help you save.
- Try this plan with Bill Protection for 12 months. You can also stay on your current rate plan or choose another rate plan that's right for you at any time if you are not satisfied. Some accounts may not be eligible for full Bill Protection. Learn more at sonomacleanpower.org/billprotection.
- See reverse to learn more about this and other rate plans.

Your Personalized Electric Rate Plan Comparison

This report is based on your last 12 months of electricity usage and assumes no change to how you use energy. Estimates do not include gas.

Your Rate Plan Options	Current Rate Plan Tiered (E-1)	Transition Rate Plan Time-of-Use (Peak Pricing 4–9 p.m. Every Day)	Optional Rate Plan Time-of-Use (Peak Pricing 3–8 p.m. Weekdays)	
	Two pricing levels based on monthly usage. Price does not vary by hour of the day.	Higher prices 4-9 p.m. every day. Lower prices at all other times.	Higher prices 3-8 p.m. on weekdays. Lower prices at all other times.	
Total Electricity Costs*	\$465/year	\$450/year	\$460/year	

Your lowest cost rate plan is: Time-of-Use (Peak Pricing 4-9 p.m. Every Day)

* Estimates assume current PG&E prices and will not match your previous 12 months' bill.

Make your rate plan choice by April 1, 2018.

Option 1: Take action to stay on your current rate plan or choose a different rate plan. Visit pge.com/TOUchoice or call 1-866-743-7945. Option 2: Take no action and automatically transition to the Time-of-Use (Peak Pricing 4-9 p.m. Every Day) rate plan in April 2018.

See reverse side »

Areas of CCA customization noted







- **Next Steps**
- Take into consideration Default Pilot accomplishments and more than 20 research studies that helped PG&E craft these messages and customer successes
- Help PG&E mitigate notification version challenges
- Review & Approval of Action Required notifications
 - 90 Day DM
 - 30 Day DM & EM
 - BRC Mockup
- Have questions or comments? Let's talk!
- Review & Approval Timeline:
 - Review and Provide Comments by 12pm July 31st



Appendix



PG<mark>S</mark>E

TOU Full Rollout Plan (13 Waves)

				Service Provider Territory
			Counties	Included
			Oct 2020 (Wave 1)	
1 States and the second second			Santa Clara	San Jose Clean Energy (SJCE)
What I want the second				Silicon Valley Clean Energy (SVCE)
	Oct 2020 (Wave 1)		Nov 2020 (Wave 2)	
And the second sec	Nov 2020 (Wave 2)		Fresno, San Joaquin, Kern, Tuolumne, Shasta, Madera,	PG&E Bundled
	Feb 2021 (Wave 5)		Merced, Tehama, Plumas, Stanislaus, Mariposa, Kings,	
	Mar 2021 (Mar C)		Tulare, Lassen	
The second s	IVIAr 2021 (Wave 6)		Dec 2020 (Wave 3)	
	Apr 2021 (Wave 7)		NEMOnly	
and the second second	May 2021 (Wave 8)		Jan 2021 (Wave 4)	
	lus 2021 (Ways 0)		NEM Only	
	Jun 2021 (Wave 9)	evada	Feb 2021 (Wave 5)	
MARIAN POLINE A	Jul 2021 (Wave 10)		Placer, El Dorado, Yolo, Butte, Nevada, Calaveras, Lake,	PG&E Bundled
	Sep 2021 (Wave 12)		Amador, Sutter, Yuba, Glenn, Colusa, Sacramento, Sierra,	Pioneer Community Energy (PIO)
			Alpine	Valley Clean Energy (VCE)
	Oct 2021 (Wave 13)		Mar 2021 (Wave 6)	
			Sonoma, Mendocino	Sonoma Clean Power
	NEIVI		Apr 2021 (Wave 7)	
	Dec 2020 (Wave 3)		Contra Costa, Solano, Marin, Napa	MCE
	Jan 2021 (Wave 4)			PG&E Bundled
	Aug 2021 (Wave		May 2021 (Wave 8)	
	11)		Alameda	East Bay Community Energy
				(EBCE)
and the second	-		hum 2021 (http:// 0)	PG&E Bundled
			Jun 2021 (Wave 9)	
	¥*	1	Humbolat, Trinity, Siskiyou	(RCEA)
				PG&E Bundled
			Jul 2021 (Wave 10)	
		1	San Francisco	CleanPowerSF (CPSF)
	2.4		Aug 2021 (Wave 11)	
A REAL OF A	* · ·	1	NEMOnly	
	And Y		Sept 2021 (Wave 12)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	indi-		San Mateo	Peninsula Clean Energy (PCE)
The second			Oct 2021 (Wave 13)	
States -			inionterey, Santa Cruz, San Luis Obispo, Santa Barbara,	Monterey Bay Community Power
- Martin			San Benito	(MBCA)
				PG&E BUNDIED
				King City Community Power

Note: Customer counts are approximate and depend on final exclusion criteria. Also, assuming NEM customers transition on their true-up date, each wave would have an additional ~10K NEM customers. This table assumes all customers within each CCA territory are enrolled with the CCA service provider.

Totals 390,000

230,000

170,000 200,000 200,000

10,000 ~10,000 ~10,000 180,000 120,000

40,000 20,000 **140,000** 410,000 310,000 100,000 400,000 370,000

> 30,000 **40,000** 40,000

850 260,000 260,000 10,000 ~10,000

200,000 **260,000**

170,000 90,000

2,300

PGSE

Res TOU Phase 2 Transition Timeline: ME&O



Default Pilot PRELIM Load Impacts: Summer 2018 Results 04.17.2018

Merlyn Xavier





Summary

- Statistically and materially significant load reductions seen across all segments during Peak Hours 4-9 PM. Average load reduction is 4.2%/hr/cust
 - Eight segments analyzed (5 PG&E, 2 CCA, 1 NEM)
 - Load Impacts assessed for the first Summer on new rate (Jun through Sep)
 - Peak Load Impacts assessed using standard Demand Response protocol models
- Load Conservation behavior among most segments.
 - Although there is load shifting behavior seen in off-peak hours, story in almost all segments is load conservation (any off-peak hour load shift/increase is offset by peak period reduction gains)
 - For some segments, off-peak usage increase is limited to few hours, while in other cases it is across all off-peak hours
- Impacts smaller than the Opt-In pilot for most segments (and lower than self-enrollments to TOU rates)
- Across all segments
 - Hotter climate regions are associated with higher load impacts
 - Within a climate, CARE customers have lower impacts than non-CARE customers
- The two participating CCA's (+90% moderate) showed reductions similar to PG&E moderate zones

Evaluation Methodology Summary



- Load Impacts estimated by a Difference-in-Difference methodology analyzed as a Randomized Encouragement Design (RED) by an external evaluator (Christensen Associates)
- Key Methodological points:
 - 'Quasi-Experimental' Design Control group similar in all aspects except TOU rate pilot
 - 'Counterfactual' Estimated Reference Load (what would have been) is modeled for Default Pilot customers
- RED design allows for customers who decline the transition. An 'intention-to-treat' effect is calculated for the group (load impacts for all Pilot customers), as well as a 'treatment effect-on-the-treated' (load impact for customers on TOU)



Sonoma Clean Power – Hourly Usage



Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	11.9	0.773	0.736	0.037	4.80%
Weekday	Avg. Off-Peak	18.0	0.513	0.510	0.003	0.55%
	Total Daily	30.0	13.60	13.37	0.24	1.76%
	Avg. Peak	9.49	0.809	0.780	0.030	3.67%
Weekend/ Holidays	Avg. Off-Peak	17.70	0.556	0.551	0.005	0.88%
	Total Daily	27.20	14.60	14.36	0.24	1.65%
	Avg. Peak	11.2	0.784	0.750	0.035	4.43%
All Days	Avg. Off-Peak	17.8	0.526	0.522	0.003	0.66%
	Total Daily	28.9	13.92	13.68	0.24	1.72%

•Peak Reduction: For both weekdays and weekends, we see a peak period load reduction (4.8% and 3.7%). This is very obvious. Reduction continues after peak.

•Load Shifting and Conservation: Some shifting to pre-peak period but this is offset by reductions in other hours.

•Load Shift mainly 7 AM- 2 PM on weekdays, 9AM to Noon weekends

Overall trend, over the 24 hours, net conservation (1.72% reduction)



Marin Clean Energy – Hourly Usage



Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	12.0	0.815	0.786	0.029	3.56%
Weekday	Avg. Off-Peak	16.3	0.534	0.540	-0.006	-1.13%
	Total Daily	28.4	14.23	14.20	0.03	0.22%
	Avg. Peak	11.9	0.864	0.838	0.026	2.99%
Weekend/ Holidays	Avg. Off-Peak	18.5	0.572	0.578	-0.005	-0.93%
	Total Daily	30.4	15.19	15.17	0.03	0.18%
	Avg. Peak	12.0	0.831	0.802	0.028	3.38%
All Days	Avg. Off-Peak	17.0	0.546	0.552	-0.006	-1.06%
	Total Daily	29.0	14.53	14.50	0.03	0.21%

•Peak Reduction: For both weekdays and weekends, we see a peak period load reduction (3.6% and 3.0%). Reductions mostly limited to peak hours.

Load Shifting and Conservation: Load shifting to all off-peak hours

•Weekday Load Shift in two batches, Noon to 2 PM, and around midnight

However, these shifts are offset by gains in peak period reductions. Over the 24 hours, net conservation (0.2% reduction; 10th percentile and 90th percentile at 0.01% and 0.40% respectively)

Average Per-Customer Impacts – ALL DAYS





- All segments reduced load during peak period
- Impacts significant at the 99% confidence level for all segments

NEM segment to be interpreted cautiously due to small sample size

- Hot segments have highest reductions.
 CCA values similar to PG&E moderate.
- On average, CARE customers have lower load impacts than Non-CARE

¹ All estimates are statistically significant at the 99% level. 90% Confidence Intervals reported above

Average Per-Customer Impacts – WEEKDAY



Average Hourly Impacts During the Summer Weekday On-Peak Period 4-9 PM (kWh)



- All segments reduced load during peak
- Impacts significant at the 99% confidence level for all segments

NEM segment to be interpreted cautiously due to small sample size

 Conservation rather than load shifting

> In some cases net offpeak usage increase, in other cases usage increase in some hours that is offset by decrease in other hours. However over 24 hours, in all cases, usage reduction

Average Per-Customer Impacts – WEEKEND



Average Hourly Impacts During the Summer Weekend On-Peak Period 4-9 PM (kWh)



- All segments reduced load during peak except PG&E cool CARE
- Impacts significant at the 99% confidence level for all segments except cool CARE

NEM segment to be interpreted cautiously due to small sample size

 Load impacts are lower than weekdays, but the patterns across segments remain.

¹ The segment 5 estimate is not statistically significant. All estimates are statistically significant at the 99% level. 90% Confidence Intervals reported above

Questions?





PG&E Hot Non-CARE – Hourly Usage



Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	66.8	1.827	1.732	0.095	5.20%
Weekday	Avg. Off-Peak	65.7	0.942	0.954	-0.013	-1.34%
	Total Daily	132.5	27.03	26.79	0.24	0.87%
	Avg. Peak	64.2	1.874	1.793	0.081	4.32%
Weekend/ Holidays	Avg. Off-Peak	65.6	1.010	1.022	-0.012	-1.14%
	Total Daily	129.8	28.57	28.38	0.18	0.65%
	Avg. Peak	66.0	1.842	1.751	0.091	4.92%
All Days	Avg. Off-Peak	65.6	0.963	0.975	-0.012	-1.28%
	Total Daily	131.6	27.51	27.29	0.22	0.80%

•Peak Reduction: For both weekdays and weekends, we see a peak period load reduction (5.2% and 4.3%). This is very obvious. Reduction limited to peak hours.

•Load Shifting and Conservation: Load Shifting to all off-peak hours

•Load Shift mainly 9 AM – Noon

However, these increases in offpeak offset by gains in peak. Over the 24 hours, net conservation (0.8% reduction; 10th percentile and 90th percentile at 0.72% and 0.87% respectively)



PG&E Moderate Non-CARE – Hourly Usage



Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	18.2	0.869	0.829	0.040	4.59%
Weekday	Avg. Off-Peak	27.7	0.556	0.558	-0.003	-0.47%
	Total Daily	45.9	14.90	14.75	0.15	1.00%
	Avg. Peak	17.5	0.920	0.885	0.035	3.81%
Weekend/ Holidays	Avg. Off-Peak	29.5	0.604	0.607	-0.003	-0.44%
	Total Daily	47.0	16.08	15.95	0.12	0.77%
	Avg. Peak	18.0	0.885	0.846	0.038	4.34%
All Days	Avg. Off-Peak	28.3	0.571	0.573	-0.003	-0.46%
	Total Daily	46.2	15.27	15.12	0.14	0.93%

•Peak Reduction: For both weekdays and weekends, we see a peak period load reduction (4.6% and 3.8%). Reduction continues after peak.

•Load Shifting and Conservation: Load shifting to off-peak hours

•Load Shift mostly 8 AM to Noon

However, these increases in offpeak offset by gains in peak. Over the 24 hours, some net reduction (0.9% reduction; 10th percentile and 90th percentile at 0.60% and 0.95% respectively)



PG&E Cool Non-CARE – Hourly Usage

0.80

0.70

0.60

0.50

0.40

0.30

0.20

0.10

0.00

JE



Day Type	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	0.0	0.592	0.583	0.009	1.60%
Weekday	Avg. Off-Peak	0.0	0.451	0.449	0.002	0.40%
	Total Daily	0.0	11.52	11.44	0.08	0.71%
	Avg. Peak	0.0	0.616	0.603	0.012	2.02%
Weekend/ Holidavs	Avg. Off-Peak	0.0	0.473	0.471	0.002	0.41%
•	Total Daily	0.0	12.07	11.97	0.10	0.82%
	Avg. Peak	0.0	0.599	0.589	0.010	1.73%
All Days	Avg. Off-Peak	0.0	0.458	0.456	0.002	0.40%
	Total Daily	0.0	11.69	11.61	0.09	0.74%

•Peak Reduction: For both weekdays and weekends, we see a peak period load reduction (1.6% and 2.0%). Reduction continues after peak.

4E10

Load Increase

Observed Load

JE1

15A

3.0%

2.0%

1.0%

0.0%

-1.0%

Hourly Load Change

(%)

WEEKEND/HOL Summer Hourly Load for Avg. Customer (kWh)

HEIO

JE1

Load Reduction

Estimated Ref Load

HEL

•Load Shifting and Conservation: Net off-peak load reduction. No CDD – average temperature ranges from 55 deg to 63 deg

Over the 24 hours, net conservation (0.7% reduction; 10th percentile and 90th percentile at 0.64% and 0.85% respectively)



PG&E Moderate CARE – Hourly Usage



Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
	Avg. Peak	16.8	0.811	0.785	0.026	3.23%
Weekday	Avg. Off-Peak	24.6	0.525	0.523	0.001	0.21%
	Total Daily	41.4	14.02	13.87	0.15	1.08%
	Avg. Peak	16.3	0.826	0.802	0.024	2.91%
Weekend/ Holidays	Avg. Off-Peak	26.6	0.559	0.558	0.002	0.31%
	Total Daily	42.8	14.76	14.61	0.15	1.04%
	Avg. Peak	16.6	0.816	0.790	0.025	3.13%
All Days	Avg. Off-Peak	25.0	0.535	0.534	0.001	0.24%
	Total Daily	41.7	14.25	14.10	0.15	1.07%

•Peak Reduction: For both weekdays and weekends, we see peak period load reduction (3.2% and 2.9%). Reduction continues after peak.

Load Shifting and Conservation: Some shifting to pre-peak period but this is offset by reductions in other hours.

•Load Shift mainly 10 AM- 2 PM on weekdays, 9 AM to 2 PM weekends/hol

Over the 24 hours, net conservation (1.1% reduction; 10th percentile and 90th percentile at 0.88% and 1.25% respectively)



PG&E Cool CARE – Hourly Usage



	Day Туре	By Period	CDD Hours (Base 75)	Estimated Reference Energy Usg	Observed Event Day Energy Usg	Estimated Change in Energy Usg	Average % Load Impact (reduction +)
		Avg. Peak	0.0	0.570	0.567	0.003	0.48%
	Weekday	Avg. Off-Peak	0.0	0.414	0.416	-0.002	-0.42%
		Total Daily	0.0	10.72	10.74	-0.02	-0.18%
		Avg. Peak	0.0	0.560	0.560	0.000	-0.03%
	Weekend/ Holidays	Avg. Off-Peak	0.0	0.432	0.434	-0.002	-0.53%
		Total Daily	0.0	11.01	11.05	-0.04	-0.40%
		Avg. Peak	0.0	0.567	0.565	0.002	0.32%
	All Days	Avg. Off-Peak	0.0	0.420	0.422	-0.002	-0.45%
		Total Daily	0.0	10.81	10.84	-0.03	-0.25%

•Peak Reduction: Negligible peak period reduction on weekdays (statistically significant). Weekend/holiday peak impacts are not statistically significant.

4E10

oad Increase

Observed Load

JE1

15A

HEIO

JE1

HEL

4.0%

3.0%

2.0%

1.0%

0.0%

-1.0%

-2.0%

-3.0%

Tourly

Load

Chan

8

•Load Shifting and Conservation: Slight increase in usage in off-peak hours. No CDD for – average temperature ranges from 55 deg to 63 deg

Over the 24 hours for all day types net increase (-0.3%; 10th percentile and 90th percentile at -0.41% and -0.09% respectively)

CCA TOU Full Transition Check-In

August 1, 2019

Thanks for joining! We will get started shortly.



Pricing Products





- 1. Roll Call
- 2. TOU Full Transition
 - **1. Notification Review Update**
 - **2. Transition Exclusions**
 - 3. 90 Day Rate Comparison Why TOU-B (TOU-D) inclusion?
- 3. TOU Transition Phase 1
 - **1. Decline Breakdown**
 - 2. What's Next?
- 4. Legacy Meter Reporting Update
- 5. Electric Season & Baseline Change
- 6. August 15th call Non-Res Discussion



TOU Transition Notifications Update

- All CCA 1:1 Meetings are complete
- Most CCAs have provided their review comments
- Project Team 1st Round Review COMPLETE
- Project Team 2nd Round Review COMPLETE
- Director Review Scheduled 8/2
- Responses to CCAs by 8/9





TOU Full Transition – Exclusions

Exclusions

Medical Baseline Customers

Vulnerable Customers

Third Party Notifications

Customers with less than 1 year of interval data

CARE/FERA Customers in hot climate zones

CARE/FERA Eligible customers in hot climate zones

Transitional Bundled Service (Customers on a market or transitional bundled rate – occurs when a CCA customers returns to PG&E for the first 6 months of service with PG&E)

Customers with inadequate interval meter data



TOU Transition – 90 Day Rate Comparison



- All 90 Day Rate Comparisons will include 3 rate plans
 - Tiered E1
 - ETOU-C (Default)
 - ETOU-D (at time of transition formerly ETOU-B)
- Provided to showcase customers have options & provide awareness
- Lowest cost rate plan is highlighted



TOU Transition Phase 1 – Transition Decline Breakdown

Default Transition Summary

Transitioned Cust	Custor	mer Count	% of Total			
Initial Population					160,525	
Ineligible					7,538	4.70%
Declined Transition					38,996	24.29%
Transitioned					113,991	
	Benefiter	Neutral (+)	Neutral (-)	Mild Non- Benefiter	Non-Benefiter	Extreme Non- Benefiter
Transitioned Population	19,396	24,046	18,298	10,477	37,078	4,696
Ineligible	1,399	1,542	1,220	689	2,278	410
Declined Transition	3,596	4,875	5,795	4,192	16,562	3,976

Reason for Declining	Count
Can't shift usage	6,224
Different rate is better	3,461
Early opt out	154
New rate selected in ORE	8,417
New rate too expensive	9,106
Other	1,487
Prefer current rate	9,543
Rate too complicated	604
Total	38,996

• Customers had the ability to provide the reason they declined the transition.



TOU Transition – Next Up

- More than 20 research studies completed to date
 - Pre-Pilot Baseline
 - Wave 1 Post Transition
 - Wave 2 Post Summer
- What's Next?
 - Wave 3 Post End of Bill Protection
- Wave 3 Surveys are currently underway
- Results will be available September 2019


Non-Res Legacy Meter Reporting



- Plans are underway to replace legacy meters
 - Plan and timing can be shared End of Q3
- Reporting will be provided:
 - Meter counts by CCA for each rate plan
- What information would you like regarding this?



- Currently there are two different season definitions in PG&E residential rates:
 - ✓ 6 months summer & winter: E-1, E-6, EM, EM TOU, ES, ET and ESR (and the CARE version) and EV.
 - ✓ 4 months summer & 8 months winter: TOU-A, TOU-B, TOU-C, Home Charging (aka EV2)
- 6 months summer/winter seasons contribute to high bill volatility during summer seasons.
- To address the bill volatility issue, a 4 months summer/8 months winter season definition is used on new TOU rates (e.g. TOU-A, TOU-B, TOU-C, Home Charging) introduced in the past few years.
- PG&E 2017 GRC Phase II proceedings addressed this issue for the existing rate schedules that are still on a 6 months summer/winter season.



- Effective October 1, 2019, PG&E will implement new summer and winter seasons and baseline for all non-TOU rate plans such as E-1, EV and multi-family rate plans (EM, ES, ET and ESR).
 - EV, E-6 and EM TOU will still retain the current season definition as these rates will be eliminated in the foreseeable future.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Current Baseline Season	Winter				Summer						Winter	
Structure			nter		Summer					winter		
Revised Baseline Season		Winter				Summer					Winter	
Structure	winter				Summer					winter		

- This change will align the seasons for residential tiered rate plans with those for TOU rates (TOU-A, TOU-B, TOU-C, Home Charging)
- Summer and winter daily baseline quantity will change.
 - In general, summer baseline quantity will be slightly higher (and slightly lower for winter).
- On average, customers will not see a difference in annual bills. Customers will see higher winter bills (because of the lower baseline quantities) and lower summer bills.

Baseline Quantity



	SUMMER	WINTER	SUMMER	WINTER		
	6/1/2020	10/1/2019	6/1/2020	10/1/2019		
	Target	Target	Target	Target		
TERRITORY	Daily	Daily	Daily	Daily		
Applicable Rate	E-1, ES, ESR, ET, EV2A,	ETOUA, ETOUB, ETOUC	EM			
Schedules	(and	CARE)	(and CARE)			
	ALL-ELECTRIC (QUANTITIES (kWh)	ALL-ELECTRIC QUANTITIES (kWh)			
Р	16.0	27.4	8.8	14.7		
Q	8.9	27.4	7.3	14.7		
R	20.9	28.1	9.6	13.6		
S	18.7	24.9	9.8	13.1		
Т	7.5	13.6	5.1	9.0		
V	10.9	16.9	6.3	11.2		
W	23.6	20.0	11.7	11.8		
Х	8.9	15.4	7.3	12.9		
Y	12.6	25.3	7.1	14.4		
Z	7.0	16.5	4.0	9.4		
	BASIC QUAI	NTITIES (kWh)	BASIC QUANTITIES (kWh)			
Р	14.2	12.0	4.8	5.2		
Q	10.3	12.0	5.4	5.2		
R	18.6	11.3	7.9	5.2		
S	15.8	11.1	6.7	5.2		
т	6.8	8.2	3.8	4.5		
V	7.5	8.8	4.2	5.0		
W	20.2	10.7	8.2	5.3		
Х	10.3	10.5	5.4	5.9		
Y	11.0	12.1	8.0	8.3		
Z	6.2	8.1	4.5	5.6		
1						

11