



Services of the San Francisco Public Utilities Commission

# CleanPowerSF Update

Presented to:  
Citizen Advisory Committee, Power Subcommittee

April 9, 2019

Presented by:  
Michael Hyams  
Director, CleanPowerSF





# Agenda

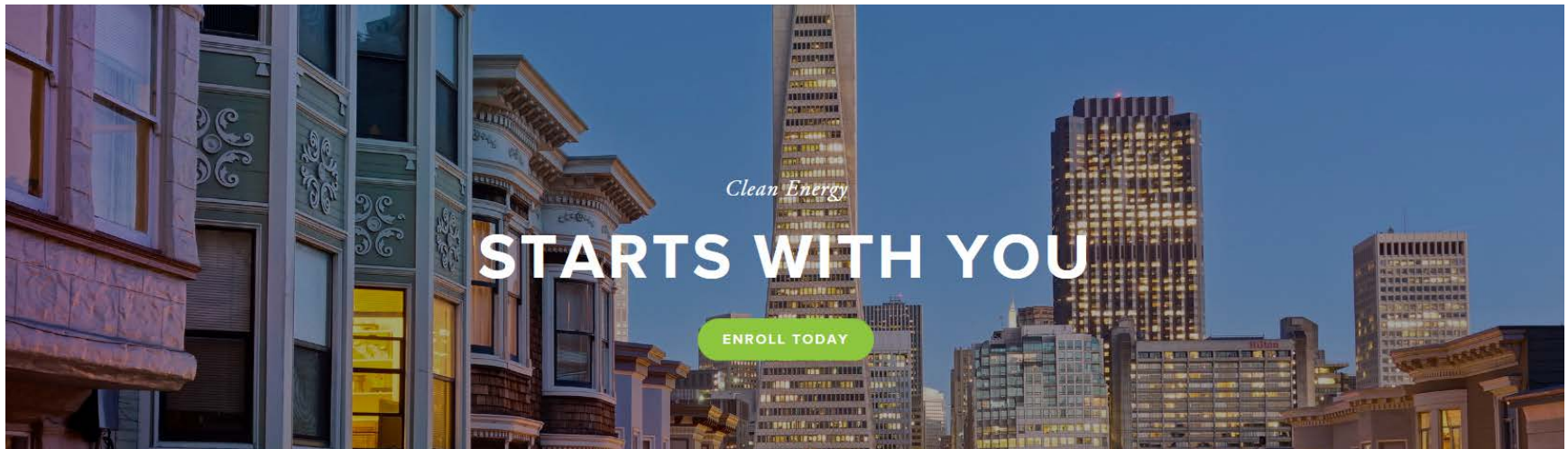
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1. Enrollment Update
2. Rates Update
3. Programs Update

# ENROLLMENT UPDATE

# Enrollment and Service Statistics

- Starting April 1, enrolling  $\approx$  280,000 customer accounts (mostly residential)
- Now enrolled >400,000 customer accounts citywide
- 2.7% opt-out rate (97% retention) since launch
- 1.4% SuperGreen upgrade rate (3.8% before April enrollment) representing 3.5% of annual energy sales





# CleanPowerSF Enrollment As of June 2018

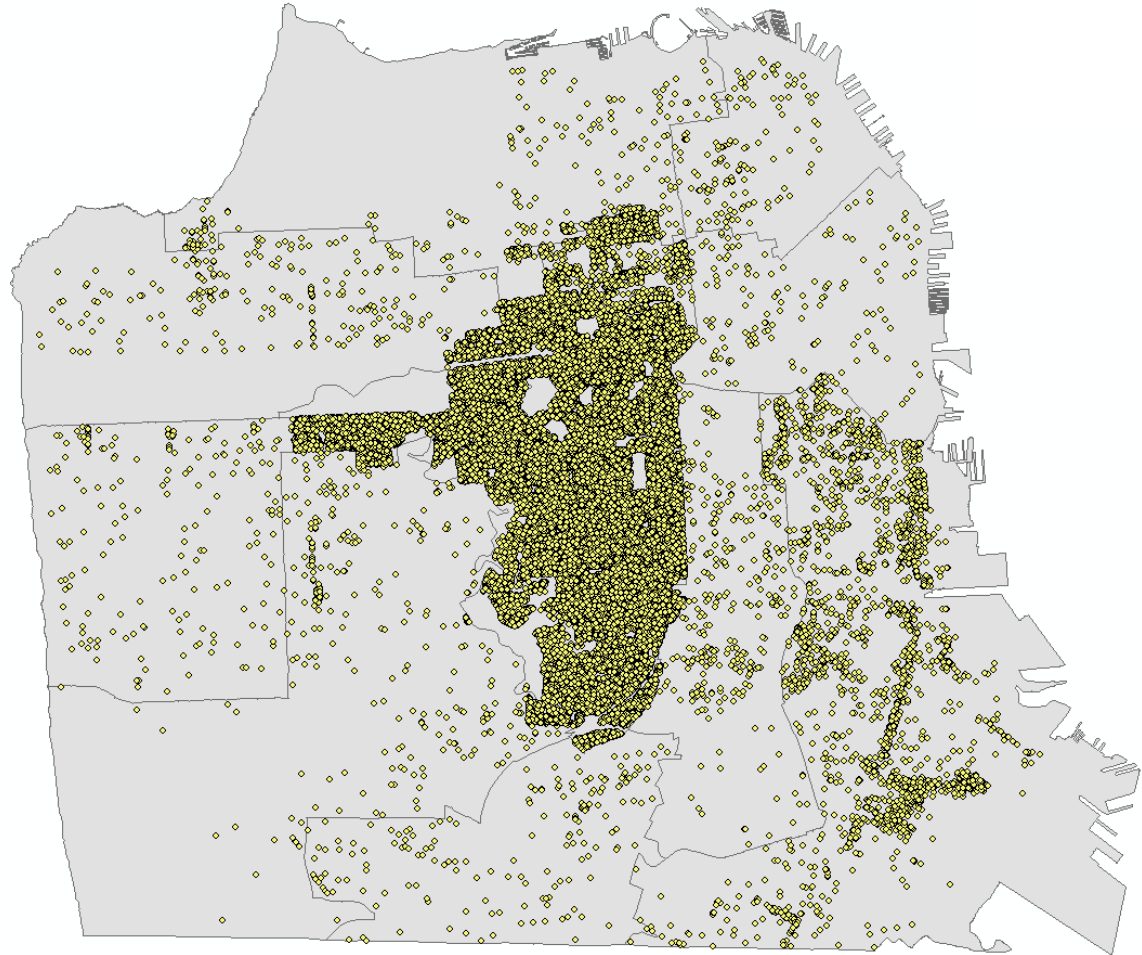
**Average  
Demand**

**Customer  
Count**

June 2018

≈ 65 MW

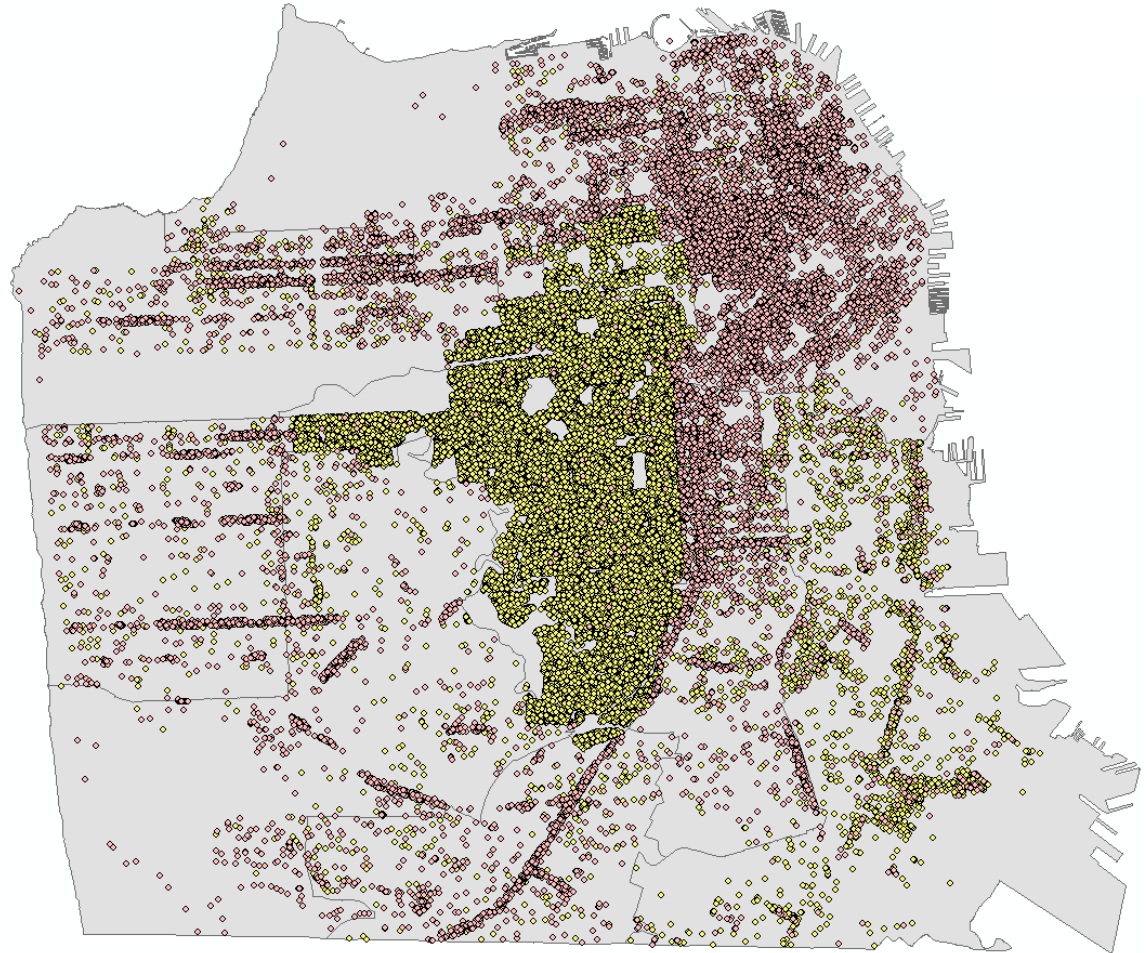
≈ 82,000





# CleanPowerSF Enrollment As of January 2019

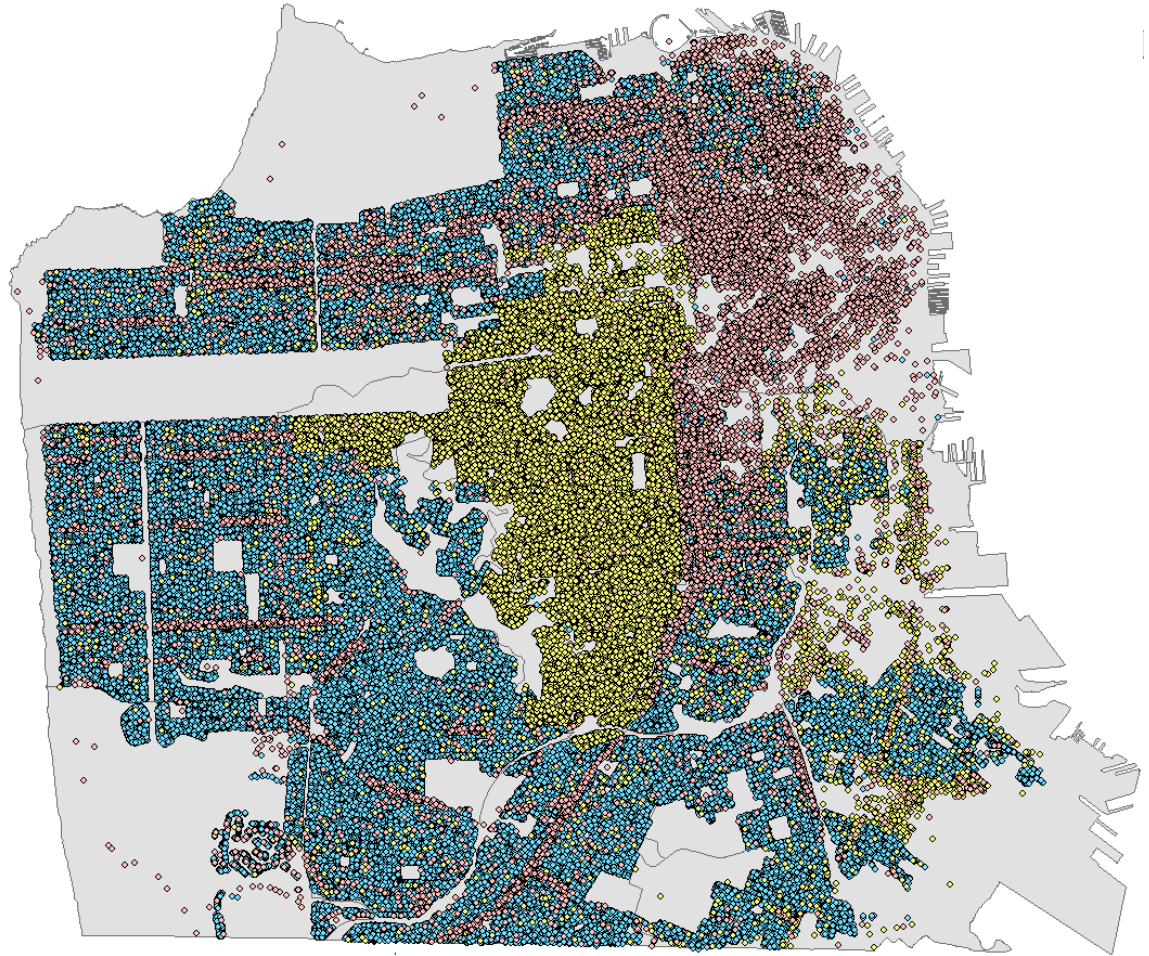
	Average Demand	Customer Count
June 2018	≈ 65 MW	≈ 82,000
Jan. 2019	+ ≈ 165 MW	+ ≈ 28,000
<b>Subtotal</b>	<b>230 MW</b>	<b>110,000</b>





# CleanPowerSF Enrollment As of June 2019 (Projected)

	Average Demand	Customer Count
June 2018	≈ 65 MW	≈ 82,000
Jan. 2019	+ ≈ 165 MW	+ ≈ 28,000
June 2019	+ ≈ 120 MW	+ ≈ 255,000
<b>Subtotal</b>	<b>≈ 350 MW</b>	<b>≈ 365,000</b>



# RATES UPDATE



# PG&E Generation Rates for 2019

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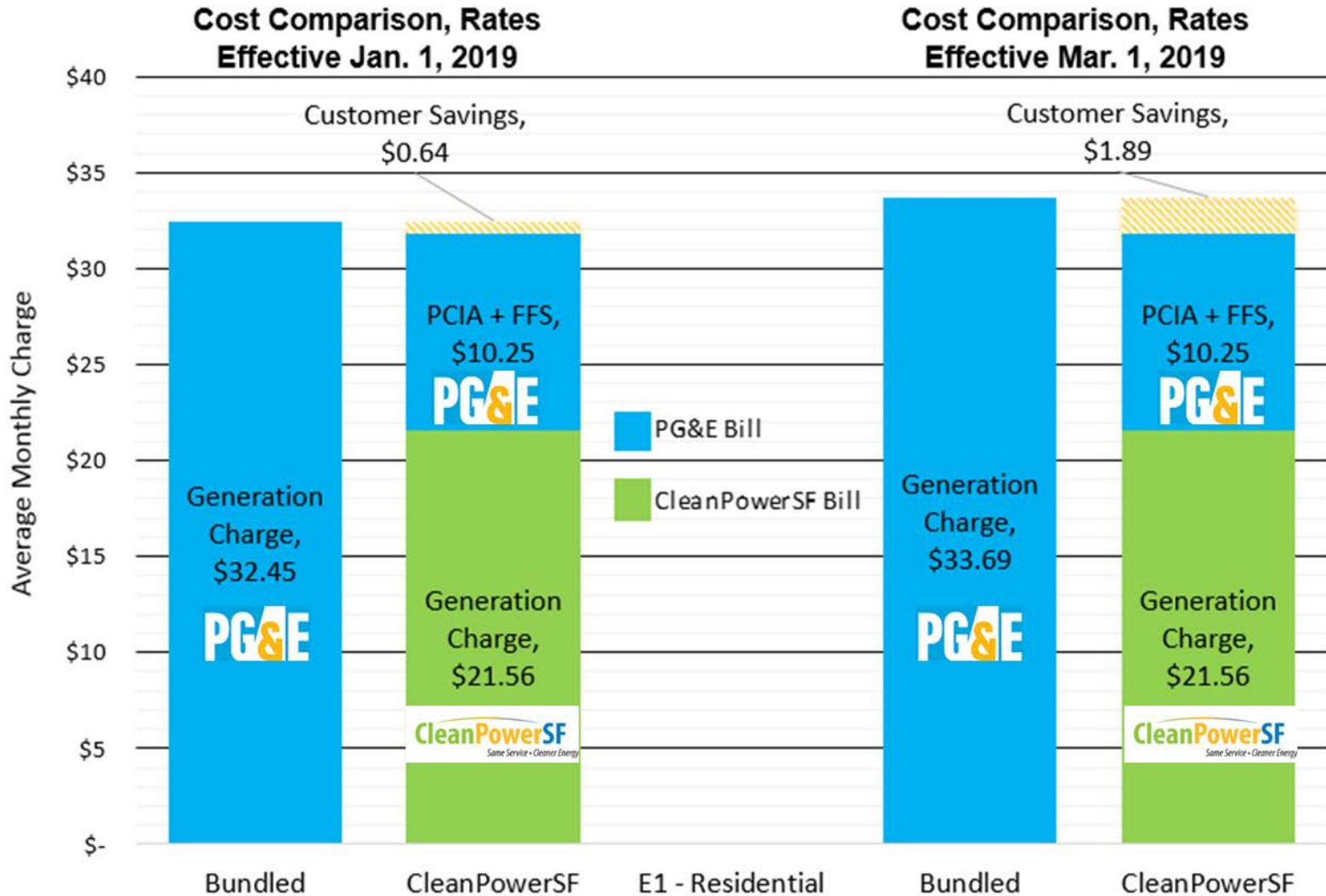
- PG&E rates are normally set each year on Jan. 1
- A delay by the California PUC issuing a decision on PG&E's Energy Resource Recovery Account (ERRA) proceeding delayed implementation of its 2019 rates
- On March 1, PG&E implemented a portion of its 2019 generation rate change, increasing average generation rates by 1.4% to 3.8% (varies by class)
- PG&E has indicated that it does not expect to implement the ERRA portion (and thus the 2019 PCIA) any sooner than July 1

# PG&E's March 1 Rate Change

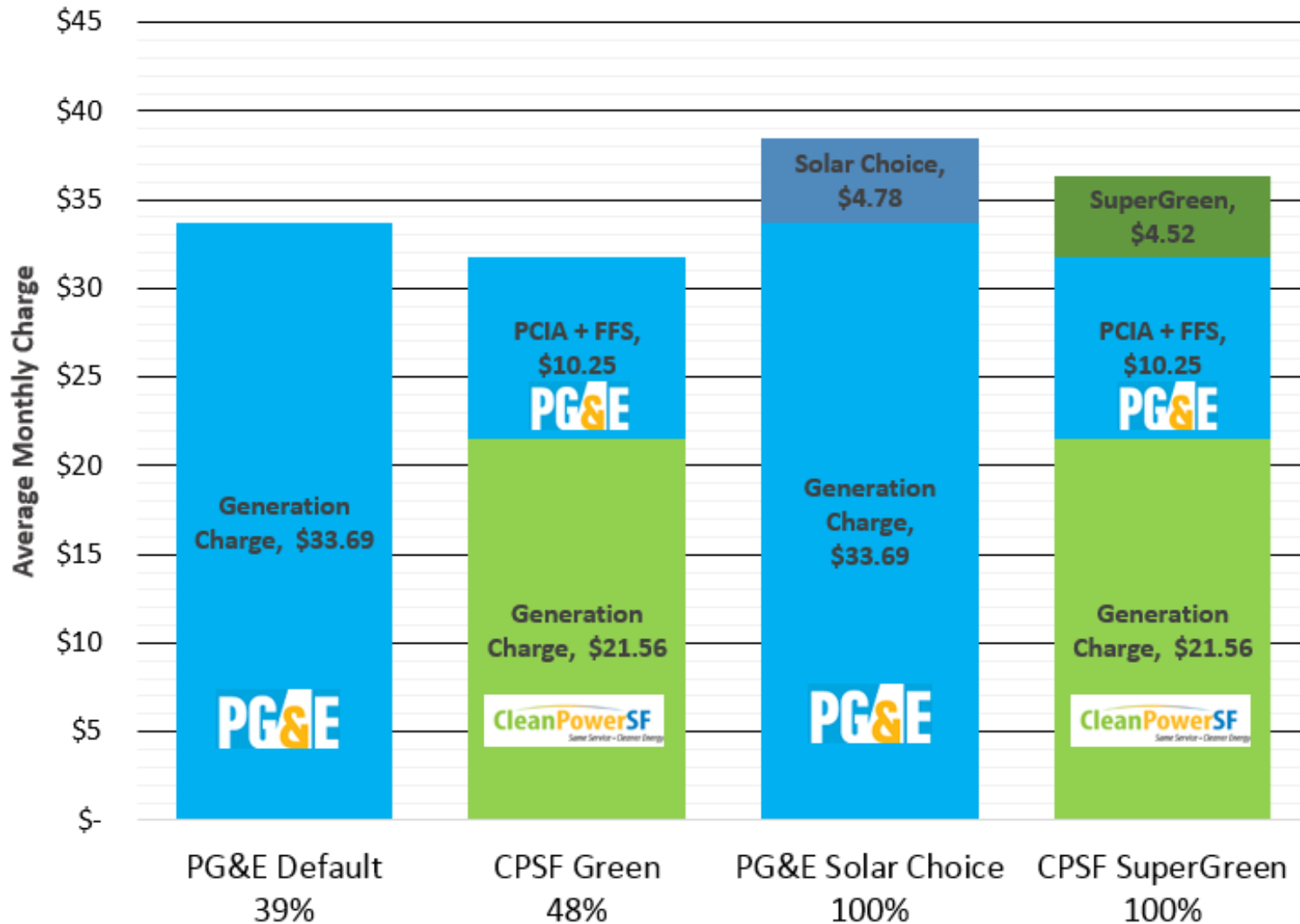
	PG&E Generation	PG&E Delivery
<b>E1</b>	3.8%	-0.8%
<b>A1</b>	2.3%	3.4%
<b>A10SX</b>	1.4%	1.4%
<b>E19S</b>	2.5%	4.9%
<b>E20S</b>	2.7%	4.4%

PG&E Generation and Delivery Cost Increase, Rates Effective Jan. 1 to March 1, 2019

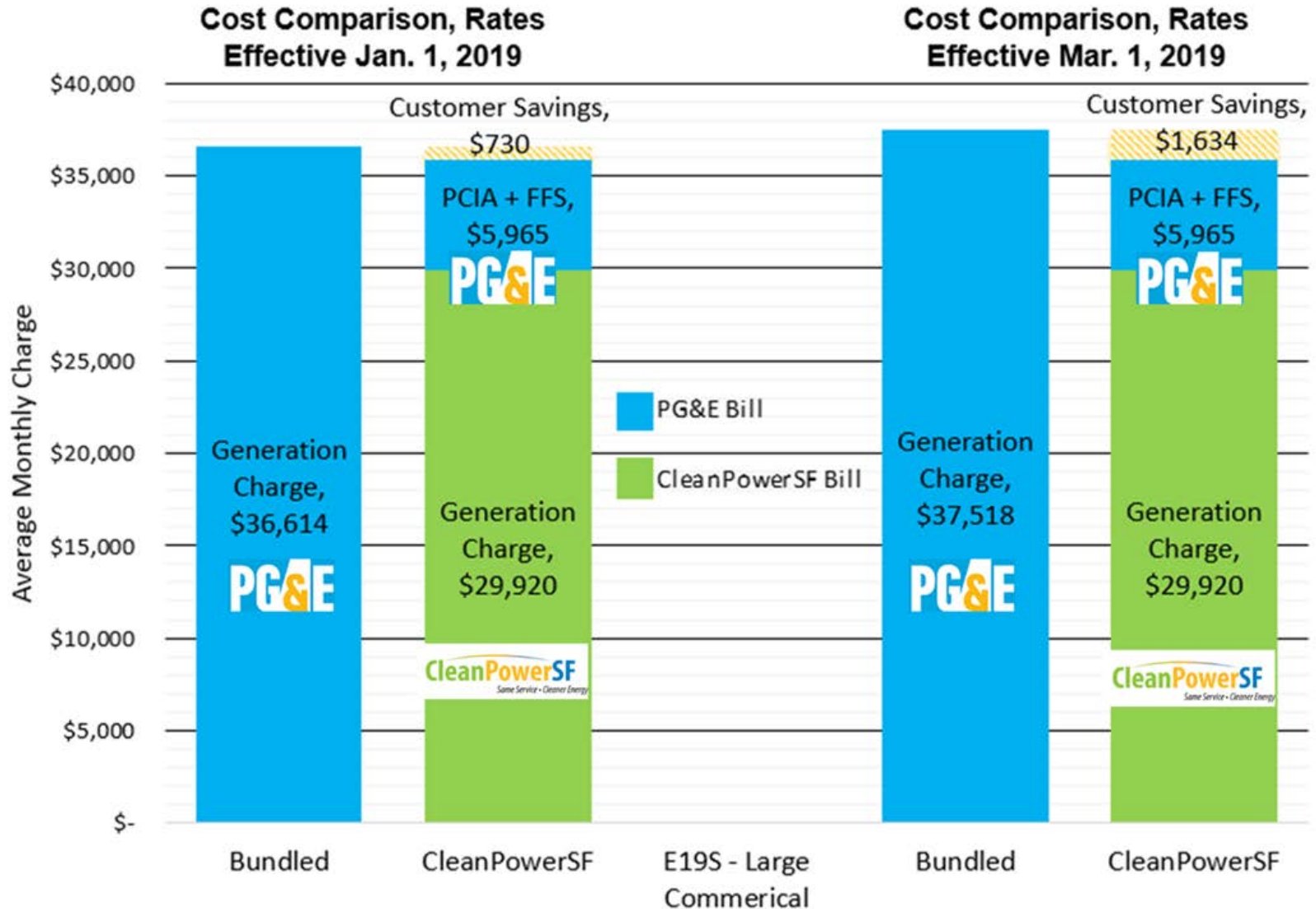
# Average Residential Customer Green Service Cost Comparison



# Average Residential Customer SuperGreen Service Cost Comparison (Eff. 3/1/2019)

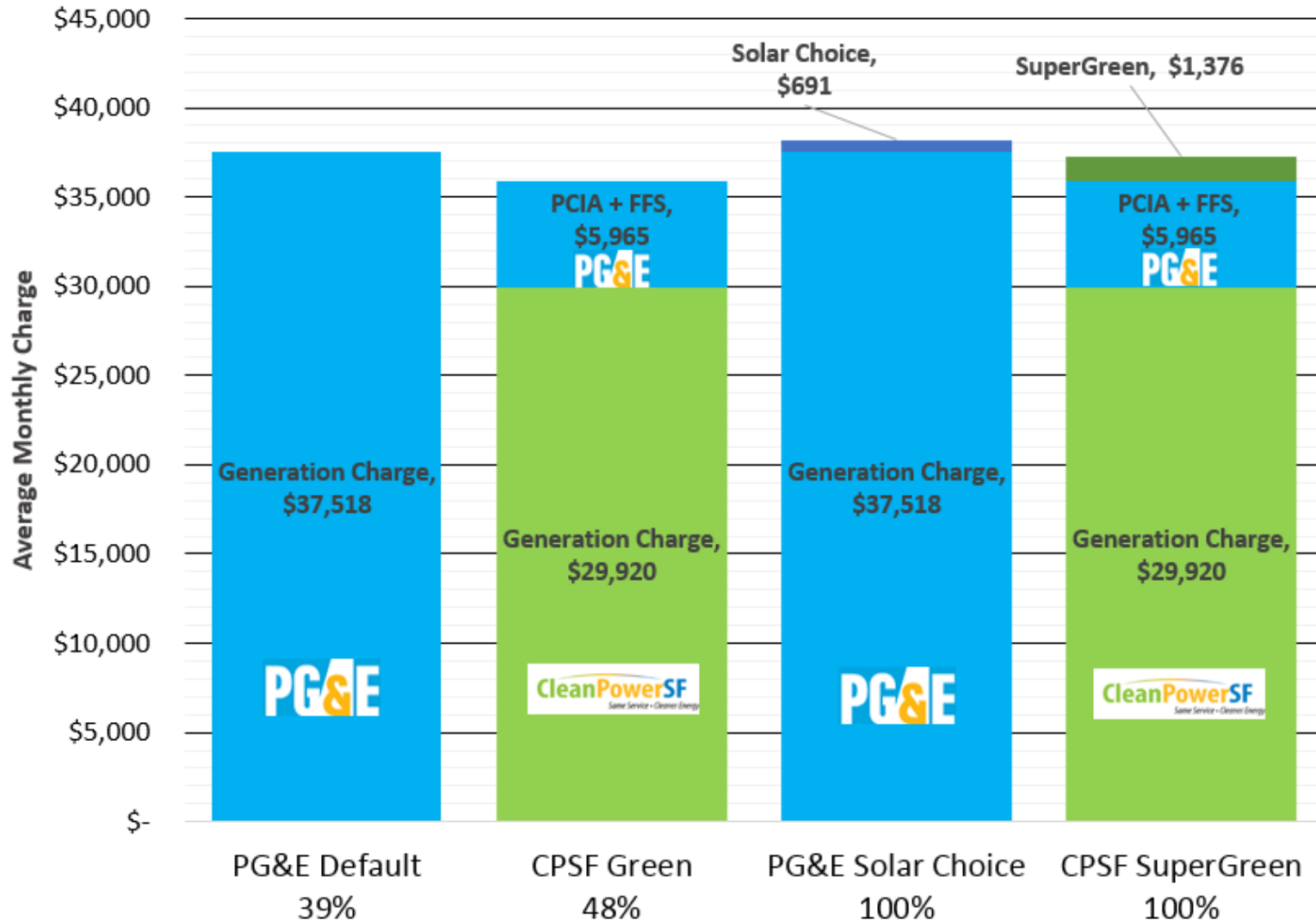


# Average Large Commercial Customer Green Service Cost Comparison





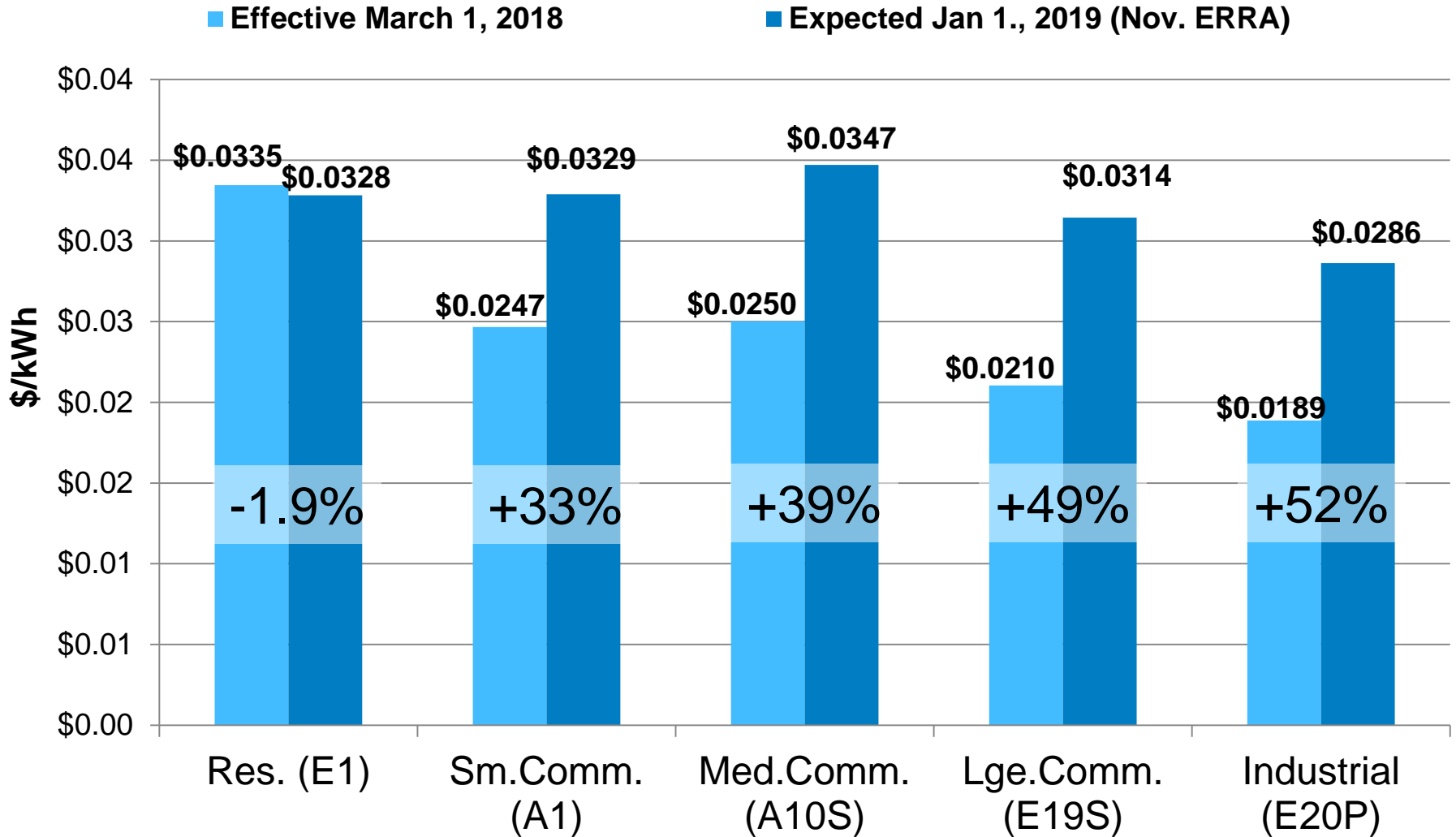
# Average Large Commercial Customer SuperGreen Service Cost Comparison (Eff. 3/1/2019)





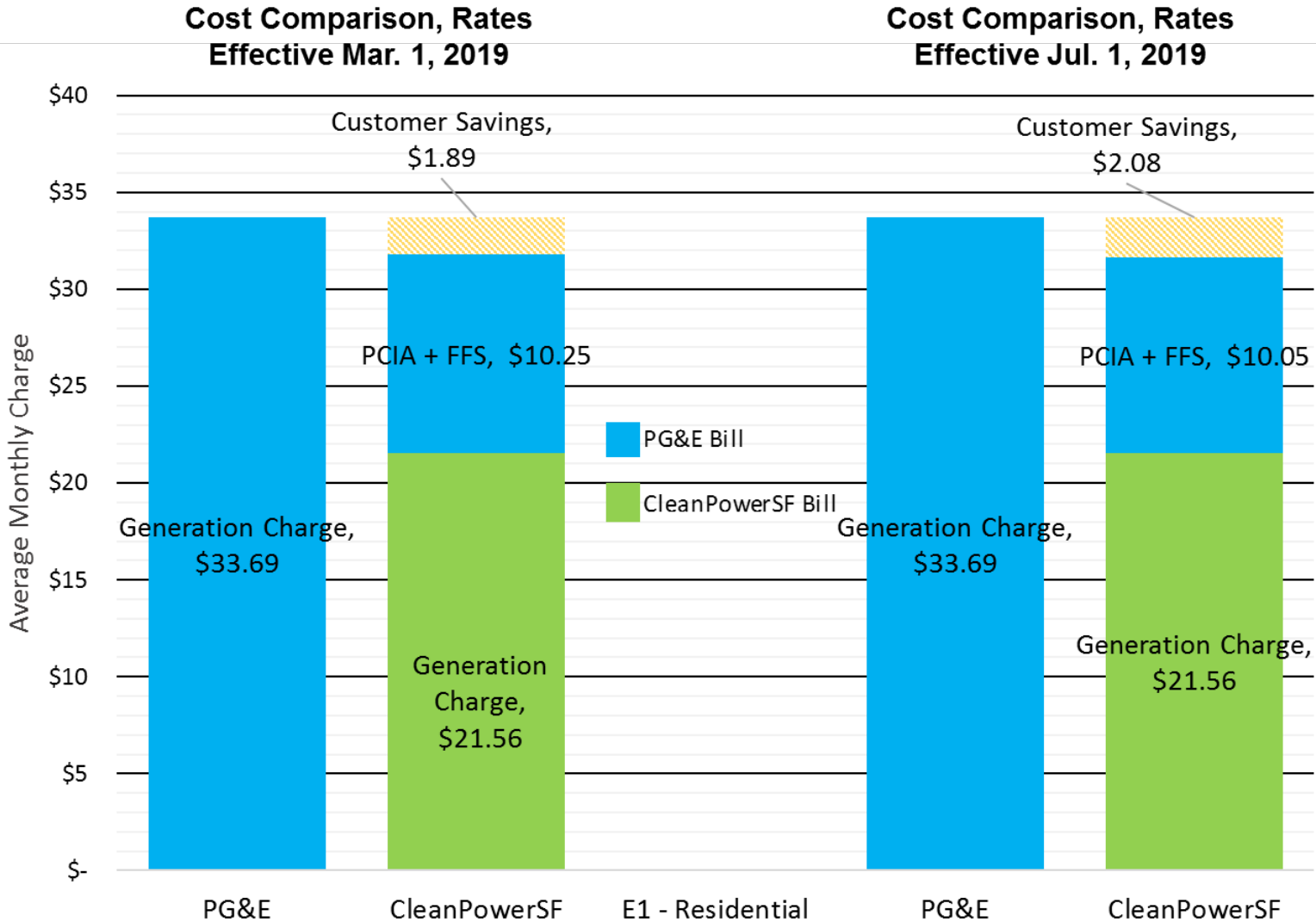
# PG&E PCIA Increase Expected on 1/1/19

As forecasted by PG&E, November 2018





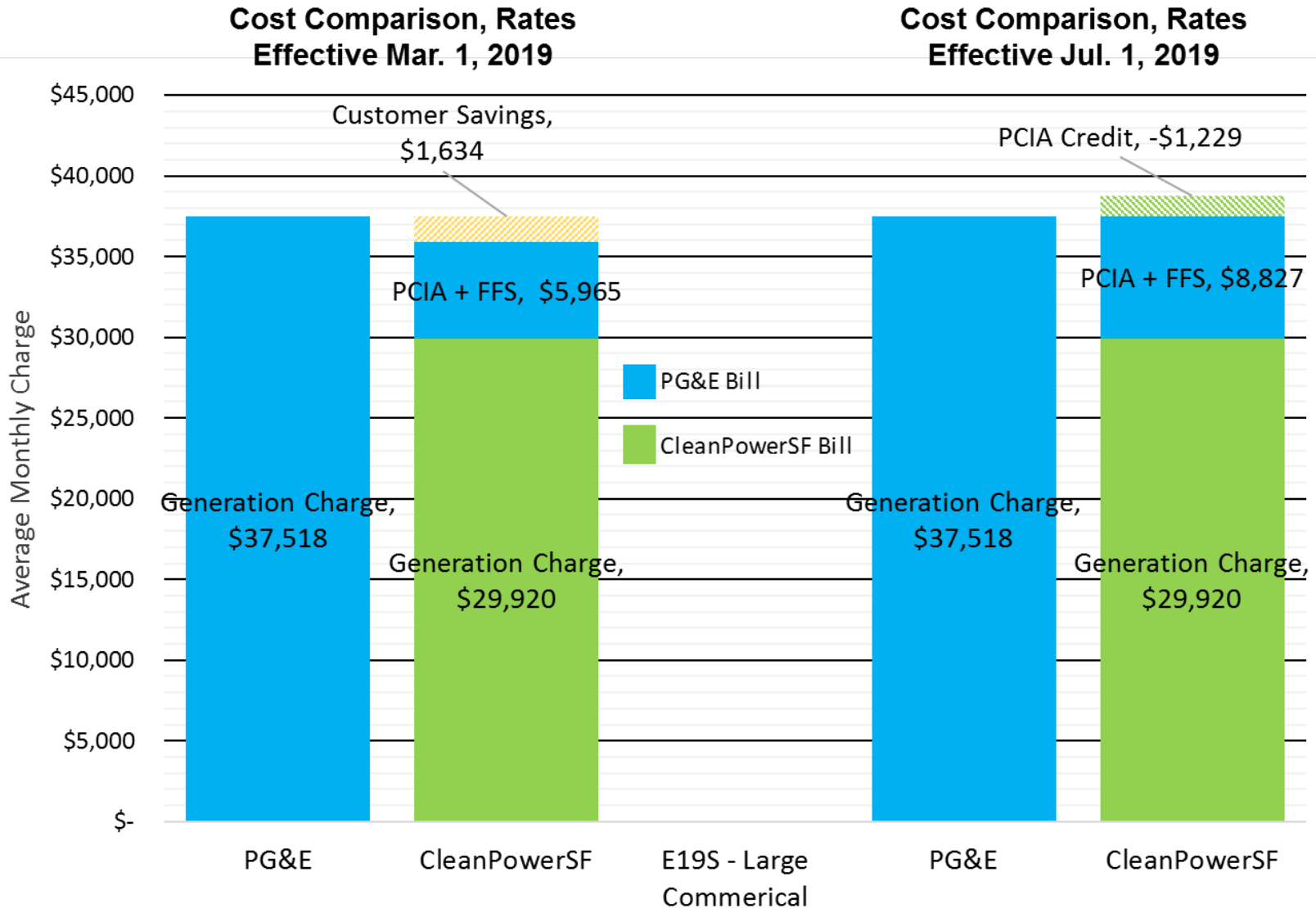
# Average Residential Customer Green Service Cost Comparison After PCIA Change (Illustrative)







# Average Large Commercial Customer Green Service Cost Comparison After PCIA Change (Illustrative)



Peak Day Pricing Pilot Program

# **PROGRAMS UPDATE**

# Peak Day Pricing Overview

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- Optional electric rate that offers businesses a potential bill credit in exchange for higher energy prices on up to 15 Event Days per year.
- Risk-free pilot program for customers. Participants will not pay additional fees if the higher electricity charges outweigh the energy credits.
- Pilot limited to 100 large commercial (E-19 and E-20 rate) customers.
- Scheduled to launch by May 2019.

# Program Goals

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1. Satisfy local commercial customer expectations that CleanPowerSF offer a peak day pricing program,
  - The program allows participants to reduce their electricity costs if they reduce their electricity usage during periods of system peak demand.
2. Demonstrate CCA grid stewardship by engaging our customers to contribute to grid management on peak days.
3. Help CleanPowerSF mitigate power supply costs on peak days, when wholesale power prices are highest.

# How it Works

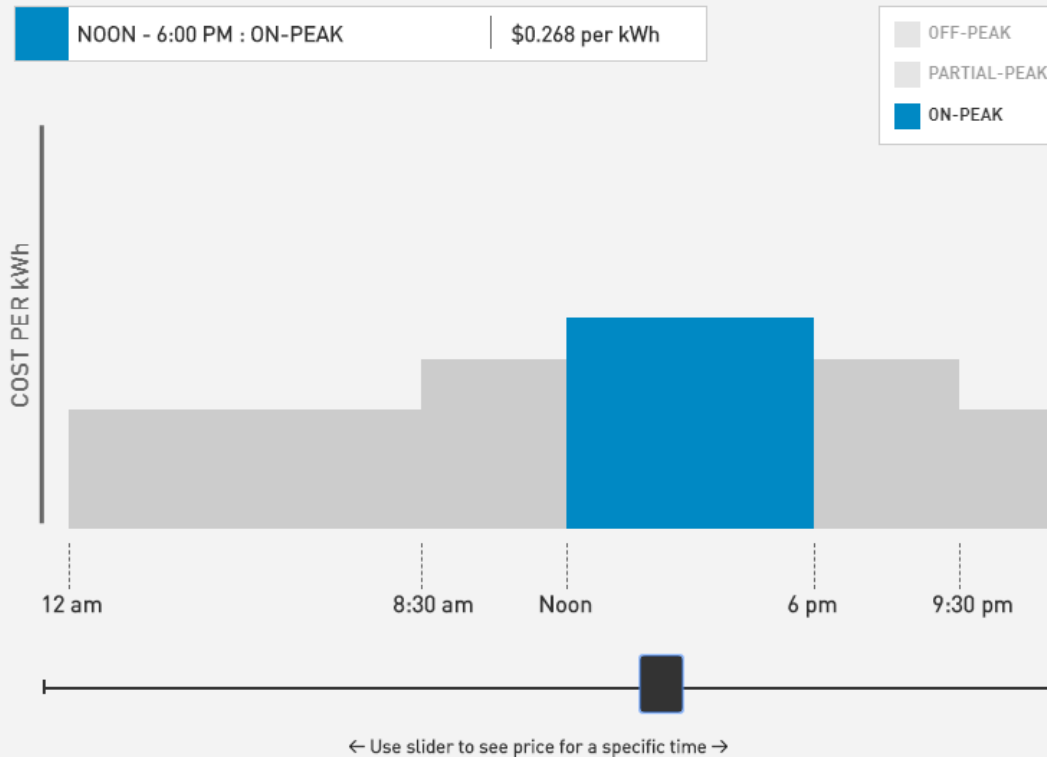
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- CleanPowerSF calculates a discount on monthly demand charges all summer in exchange for a surcharge on electricity consumed during the 4-hour Super Peak Period (4-8pm) on Event Days.
- The program will call 9-15 Event Days during the May to October season.
- Same credits and surcharges as PG&E's program.
- Participants will be charged their standard rate throughout the season with an end of season true up.

# PG&E's Summer Rates Small Commercial, A1 Rate Class

## Peak Day Pricing: Summer Rates

Summer rates are in effect May through October. With Peak Day Pricing, your regular summer rates are discounted in exchange for higher rates on 9-15 Event Days per year.

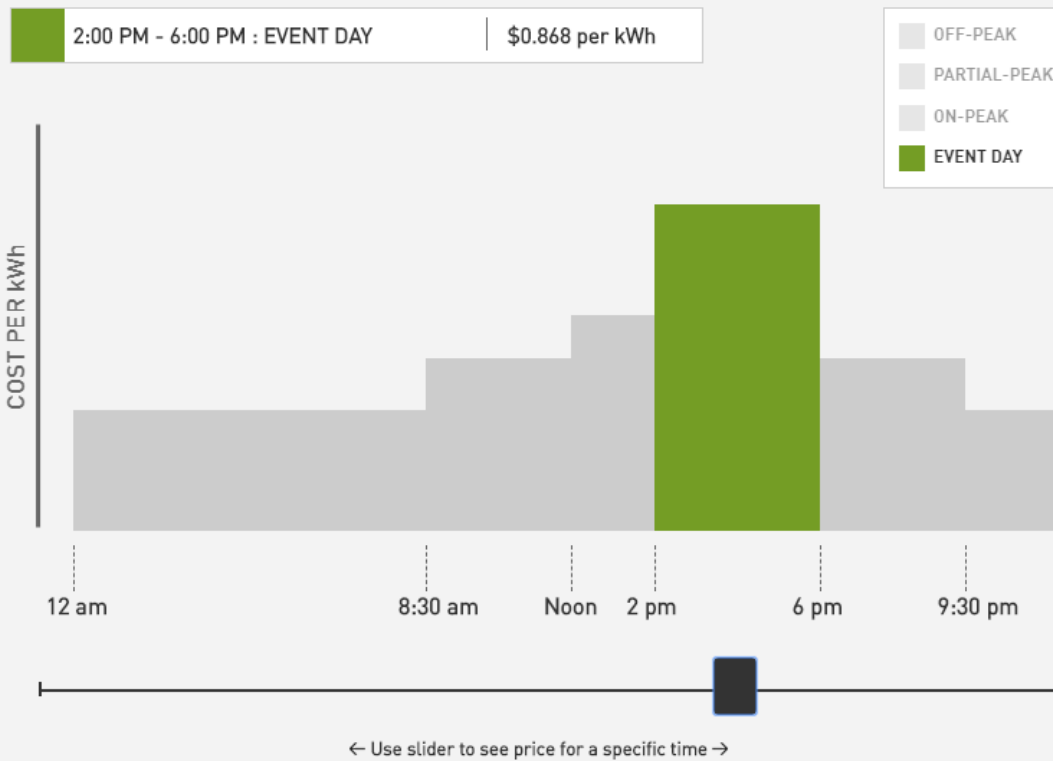


Based on A1 rates per kWh as of 03/01/19. Customer charges apply in addition to the kWh charges shown. Rates subject to change. Rates shown reflect the net rate after the Peak Day Pricing surcharges and credits have been applied.

# PG&E's Summer Rates (A1) Peak Day Pricing During an Event Day

## Peak Day Pricing: Event Day Rates

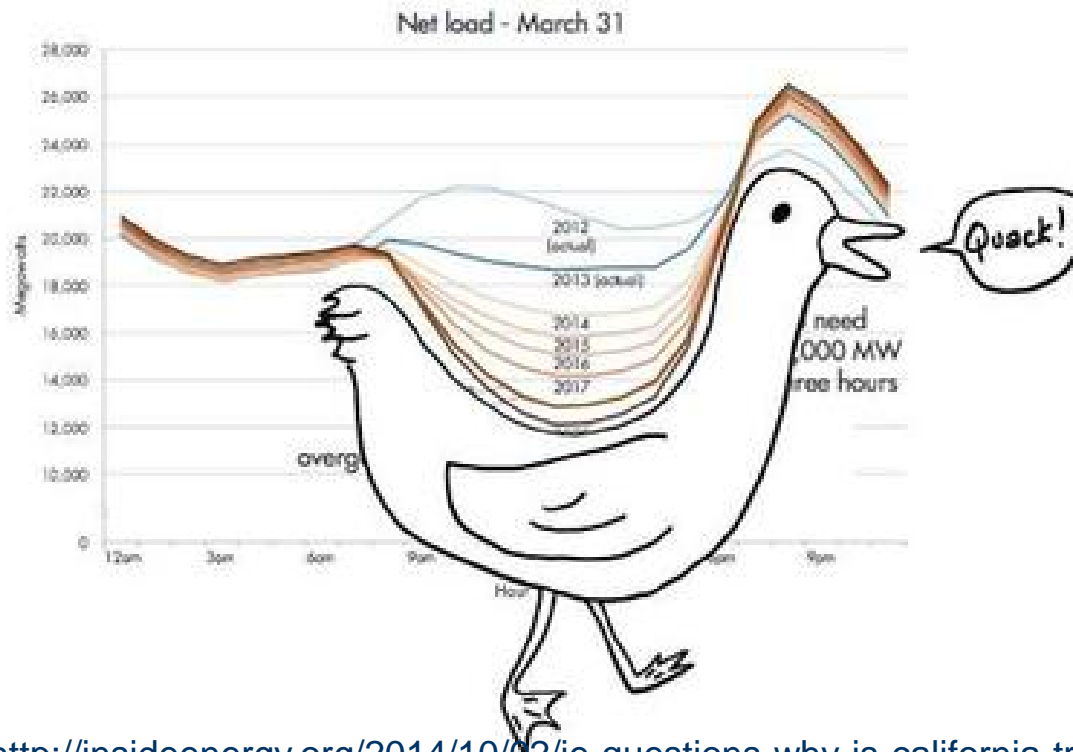
There are 9-15 Peak Day Pricing Event Days per year. On Event Days, a surcharge is added between 2:00 pm and 6:00 pm.



Based on A1 rates per kWh as of 03/01/19. Customer charges apply in addition to the kWh charges shown. Rates subject to change. Rates shown reflect the net rate after the Peak Day Pricing surcharges and credits have been applied.

# Program Innovation: 4pm-to-8pm Peak

- CleanPowerSF's Super-Peak of 4 pm to 8 pm responds to the ramp period of the Duck Curve.



Source: CAISO: <http://insideenergy.org/2014/10/02/ie-questions-why-is-california-trying-to-behead-the-duck/>



# Questions?

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CleanPowerSF.org



# Proposed Changes to CleanPowerSF FY 2018-19 Rates

- **Green Rates**
  - Reduce rates by the amount PG&E's generation and FFS rates change from 2018 to 2019, expected to be about 6-9% on average
- **Apply a Credit to Offset Increases in PCIA**
  - Volumetric credit equal to the increase in PG&E's PCIA fees from 2018 to 2019
  - If the PCIA for any customer class decreases from 2018 to 2019, a credit will not be provided
- **Authorize General Manager to finalize rates**
  - One-time GM authority to adjust CleanPowerSF rates to final PG&E rates
  - Rates must recover operating costs, satisfy financial covenants and fund program reserves
- **No change to SuperGreen Rate Premiums**