



City Council

Default Electricity Product Choices from East Bay Community Energy

November 10, 2020

East Bay Community Energy



<https://ebce.org/>

ELECTRIC SERVICE OPTIONS



More renewables
than PG&E
lower rates
than PG&E

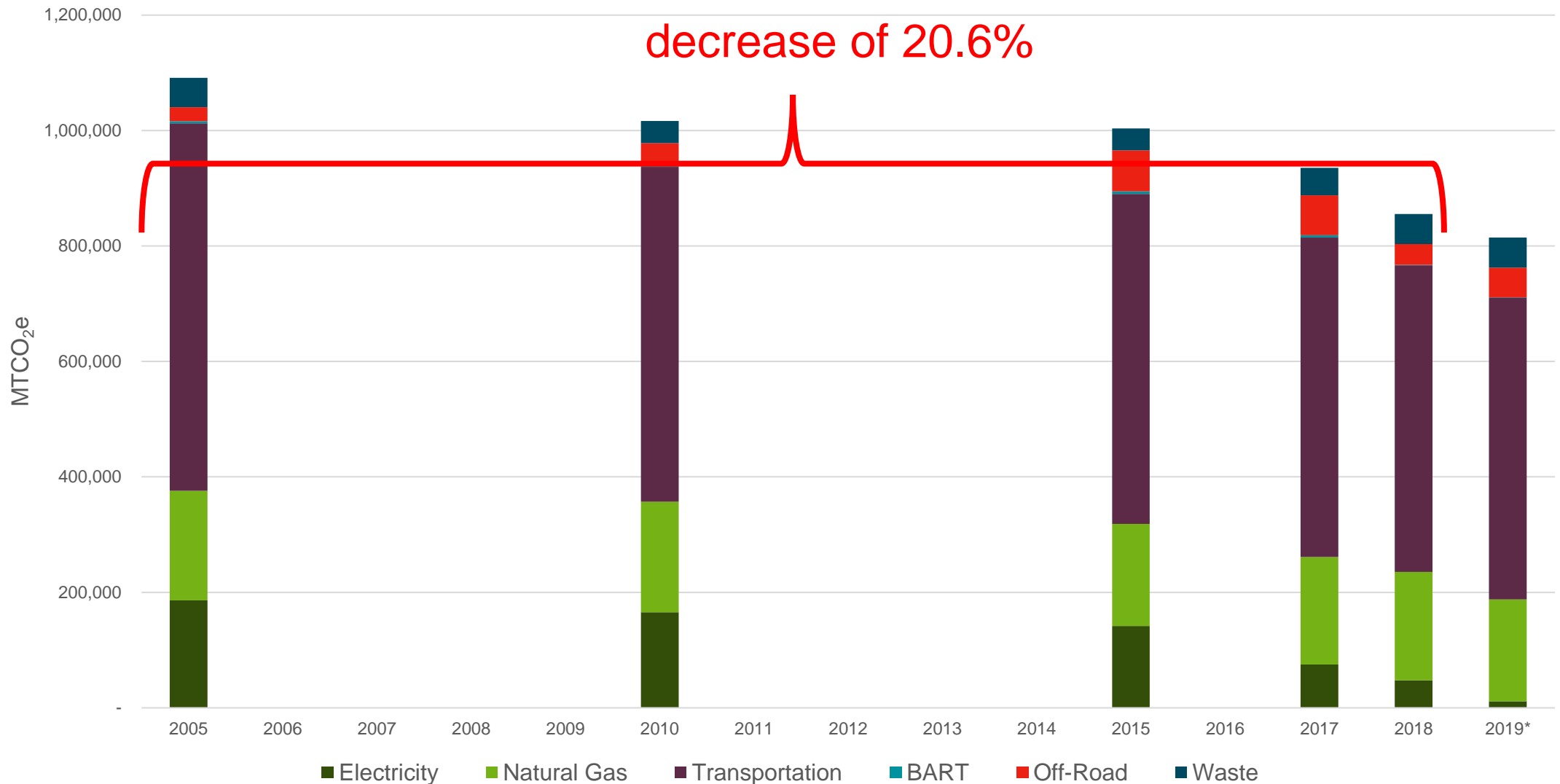


100%
clean energy
same rate
as current PG&E price



100%
renewable
\$0.01/kWh
more than Brilliant 100

Hayward's GHG Emissions: 2005 - 2019



*Electricity and waste are estimated for 2019

Financial Challenges

- PG&E increased rates by increasing the transmission component of the rate while decreasing the generation component. PG&E's generation rate decreased by 8% on May 1, 2020.
- Power Charge Indifference Adjustment (PCIA) increased by 30% on May 1, 2020 and will increase again in 2021.
- Procurement costs for Brilliant 100 have been higher than expected.

EBCE Board Action

When the Board approved the budget on June 17, they voted to:



- Change discount for Bright Choice from 1.5% to 1.0% below PG&E rates effective July 1, 2020.



- Consider changes to Brilliant 100 – to be decided this fall.



- Maintain the rate for Renewable 100 at \$0.01/kWh more than PG&E rates.

Brilliant 100 Discussions

July 13, 2020	Council Sustainability Committee Meeting
July 14, 2020	City Council Work Session
September 16, 2020	EBCE Board Meeting
September 25, 2020	EBCE Executive Committee meeting
October 15, 2020	Special Council Sustainability Committee Meeting

Options for Hayward

	A. Carbon Free w Nuclear	B. Renewable 100	C. Brilliant 100 w Rate Increase	D. Brilliant 100 w Subsidy	E. Bright Choice
Rates	equal to PG&E	8 to 9% more than PG&E	2 to 5% more than PG&E	equal to PG&E	1% less than PG&E
RPS (35.8%)*	solar & wind	solar & wind	solar & wind	solar & wind	solar & wind
Remaining Energy Mix (64.2%)	nuclear	solar & wind	large hydro	large hydro	may be mix of large hydro & natural gas
Help meet Hayward's GHG goals?	yes	yes	yes	yes	no

* CA Renewable Portfolio Standard in 2021.

Sustainability Committee Recommendation

Recommendation based on these factors:

- Bright Choice expected to have more GHG emissions than PG&E
- Accepting nuclear allocation would not change the amount of nuclear energy generated in CA
- EBCE customers already paying for nuclear energy through PCIA
- Accepting nuclear could be for a limited time – (two years max.)

Sustainability Committee Recommendation

- Provide EBCE Board with following ranking:
 1. Brilliant 100 with subsidy.
 2. 100% carbon free product with nuclear (expire at end of 2022)
 3. Brilliant 100 with rate increase
 4. Bright Choice
 5. Renewable 100
- Switch Hayward's municipal accounts to Renewable 100.

Economic Impact

Customer Class	Bright Choice (1% discount)	PG&E	100% Carbon-Free with Nuclear	Brilliant 100 (2% premium)	Brilliant 100 (5% premium)	Renewable 100
Residential	\$44.21	\$44.66	\$44.66	\$45.55	\$46.89	\$48.46
Small Commercial	\$255.85	\$258.43	\$258.43	\$263.60	\$271.35	\$281.13
Large Commercial	\$35,411.02	\$35,768.71	\$35,768.71	\$36,484.08	\$37,557.15	\$38,715.81

Fiscal Impact

Approximate Annual Costs

Current spending on City accounts enrolled in Brilliant 100	\$558,000
If City keeps its accounts enrolled in Brilliant 100	\$575,000
If City's accounts are changed to Renewable 100	\$629,000

Strategic Roadmap

This agenda item relates to the Strategic Priority of Combat Climate Change *and* projects:

Project 2: Work with EBCE to transition citywide electricity use to 100% carbon free

Project 3: Transition electricity use in city operations to 100% renewable energy

Project 4: Adopt and implement 2030 GHG Goal and Roadmap

Next Steps

- EBCE Board November 18, 2020
- EBCE Board December 16, 2020

