



Council Sustainability Committee

Default Electricity Product from East Bay Community Energy

May 10, 2021

East Bay Community Energy



<https://ebce.org/>

ELECTRIC SERVICE OPTIONS



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

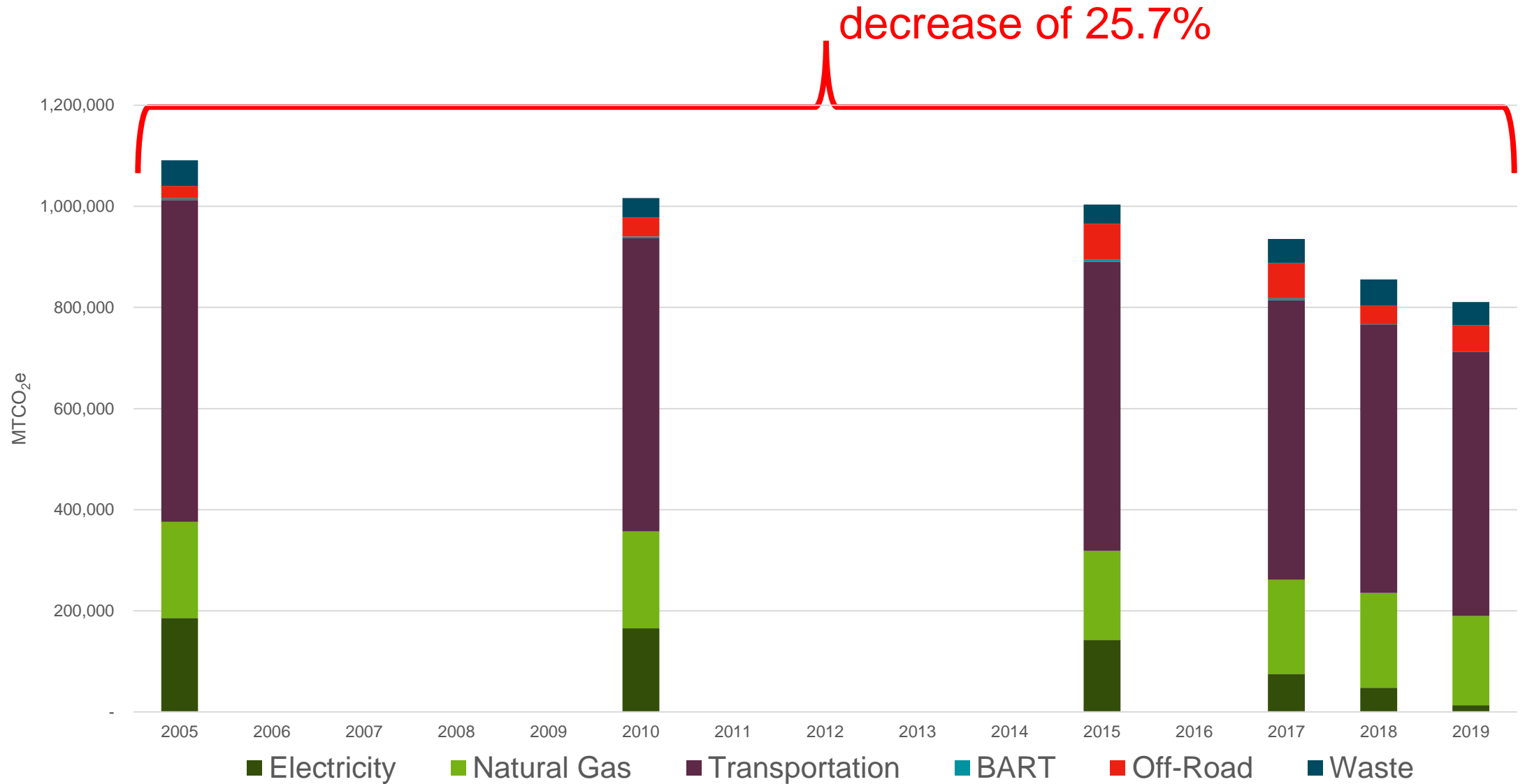


100%
clean energy
same rate
as current PG&E price



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

Hayward's GHG Emissions: 2005 - 2019



Background

- Financial challenges with providing Brilliant 100
- Early 2020 – EBCE Board indicated might terminate B100
- Several discussions with CSC & Council
- November 10, 2020 – Council voted on ranking:
 1. Brilliant 100 with subsidy
 2. Renewable 100
 3. Brilliant 100 with potential rate increase
- November 18, 2020 – EBCE Board voted to extend Brilliant 100 through 2021

Current EBCE Service Options



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



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

Default Product Options

	Discounted Residential (CARE, FERA, Medical Baseline)	Non-Discounted Residential	Commercial
Renewable 100 for Resi & Comm	Bright Choice	Renewable 100	Renewable 100
Renewable 100 for Resi	Bright Choice	Renewable 100	Bright Choice
Bright Choice for All	Bright Choice	Bright Choice	Bright Choice

Each option has unique Rate & GHG impacts

Rates (Average Monthly Costs)

Rate	Rate Category	Bright Choice Average	Brilliant 100 Average	Renewable 100 Average	Bright Choice Discount Average	R100 Premium Average (over B100)	% Increase (R100 v. B100)
A1	Sm/Med Comm	\$445	\$447	\$465	\$1.87	\$17.47	3.9%
A1 TOU	Sm/Med Comm	\$354	\$356	\$369	\$1.48	\$13.57	3.8%
A10	Sm/Med Comm	\$2,796	\$2,810	\$2,930	\$13.65	\$119.76	4.3%
A10 TOU	Sm/Med Comm	\$3,690	\$3,709	\$3,871	\$18.44	\$161.75	4.4%
AGR	Agriculture	\$171	\$172	\$177	\$0.47	\$5.05	2.9%
E19	Large Comm	\$48,543	\$48,806	\$51,313	\$263.19	\$2,506.61	5.1%
E20P	Large Comm	\$149,099	\$149,931	\$158,701	\$832.32	\$8,770.00	5.8%
E20S	Large Comm	\$96,874	\$97,391	\$102,611	\$516.79	\$5,220.07	5.4%
RES	Residential	\$111	\$112	\$116	\$0.46	\$4.11	3.7%
RES TOU	Residential	\$168	\$169	\$175	\$0.63	\$5.91	3.5%

EBCCE's Bright Choice Going Forward

East Bay Community Energy · 2019 Power Content Label · ebce.org/documents-and-resources					2019	2020	2021
Energy Resources	Renewable 100	Brilliant 100	Bright Choice	2019 CA Power Mix	PG&E Base Plan	PG&E Base Plan	Bright Choice
Eligible Renewable¹	100.0%	75.0%	59.9%	31.7%	29%	36.2%	41.2%
Biomass & Biowaste	0.0%	0.0%	3.6%	2.4%	3%		
Geothermal	0.0%	0.0%	12.3%	4.8%	2%		
Eligible Hydroelectric	0.0%	0.0%	4.9%	2.0%	2%		
Solar	50.0%	37.5%	3.5%	12.3%	12%		
Wind	50.0%	37.5%	35.7%	10.2%	9%		
Coal	0.0%	0.0%	0.0%	3.0%	0%		
Large Hydroelectric	0.0%	25.0%	25.3%	14.6%	27%		
Natural Gas	0.0%	0.0%	0.1%	34.2%	0%		
Nuclear	0.0%	0.0%	1.5%	9.0%	44%		
Other	0.0%	0.0%	0.2%	0.2%	0%		
Unspecified sources of power²	0.0%	0.0%	13.1%	7.3%	0%		
TOTAL	100%	100%	100%	100%	100%		
Percentage of Retail Sales Covered by Retired Unbundled RECs³	0.0%	0.0%	0.0%	0.0%			

Other Cities

Cities with Brilliant 100 Default:

- Albany
- Hayward
- Pleasanton

Cities with Renewable 100 Default

- Piedmont (since 2018)
- Dublin (opting up in 2021)

Electrical Demand by Customer Category

Customer Category	Annual kWh	Percent of Total
Residential discounted	83,652,344	11.1%
Residential non-discounted	155,354,353	20.7%
Small Commercial	307,765,011	41.0%
Large Commercial	203,874,661	27.2%
Total	750,646,369	100.0%

GHG Impact - Hypothetical Scenario #1

If Bright Choice is 56% carbon free

	2005 Actual	2019 Actual	2019 If All are moved to Bright Choice	2019 If only Non-Discounted Resi are moved to R100
Electricity	185,890	13,093	161,456	129,998
Natural Gas	189,995	176,649	176,649	176,649
Transportation	636,581	522,897	522,897	522,897
BART	3,440	547	547	547
Off-Road	24,345	51,392	51,392	51,392
Waste	50,924	46,187	52,209	52,209
Total	1,091,174	810,765	965,150	933,692
% Reduction from 2005		25.7%	11.5%	14.4%

GHG Impact - Hypothetical Scenario #2

If Bright Choice is 62% carbon free

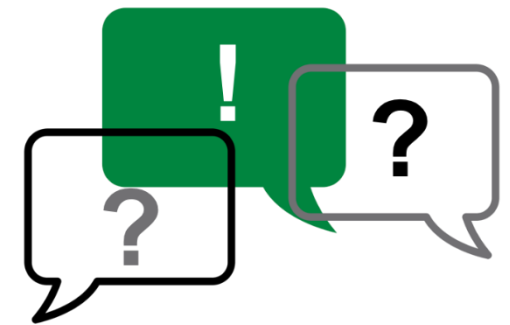
	2005 Actual	2019 Actual	2019 If All are moved to Bright Choice	2019 If only Non-Discounted Resi are moved to R100
Electricity	185,890	13,093	37,079	30,597
Natural Gas	189,995	176,649	176,649	176,649
Transportation	636,581	522,897	522,897	522,897
BART	3,440	547	547	547
Off-Road	24,345	51,392	51,392	51,392
Waste	50,924	46,187	52,209	52,209
Total	1,091,174	810,765	840,773	834,291
% Reduction from 2005		25.7%	22.9%	23.5%

Default Product Options

Product Options	Discounted Residential	Non-Discounted Residential	Commercial
Currently Brilliant 100	Bright Choice	Brilliant 100	Brilliant 100
Renewable 100 for Resi & Comm	Bright Choice	Renewable 100 (increase of 3.7%)	Renewable 100 (increase of 3.8 – 5.8%)
Renewable 100 for Resi	Bright Choice	Renewable 100 (increase of 3.7%)	Bright Choice (savings of 0.4 to 0.6%)
Bright Choice for All	Bright Choice	Bright Choice (savings of 0.4%)	Bright Choice (savings of 0.4 to 0.6%)

Next Steps

Council Meeting	June 15, 2021
EBCE Board Meeting	July 21, 2021
Community Outreach	Fall 2021
New Default Takes Effect	January 1, 2022



Recommendation

1. Questions for Staff
2. Public Comments
3. Committee Comments
4. Committee Recommendation: That the Committee provides a recommendation to Council for a new default product to take effect January 1, 2022.

