



East Bay Community Energy

**Selection of Electricity Product for City Facilities &
Selection of Default Electricity Product for Community**

UTILITIES & ENVIRONMENTAL SERVICES

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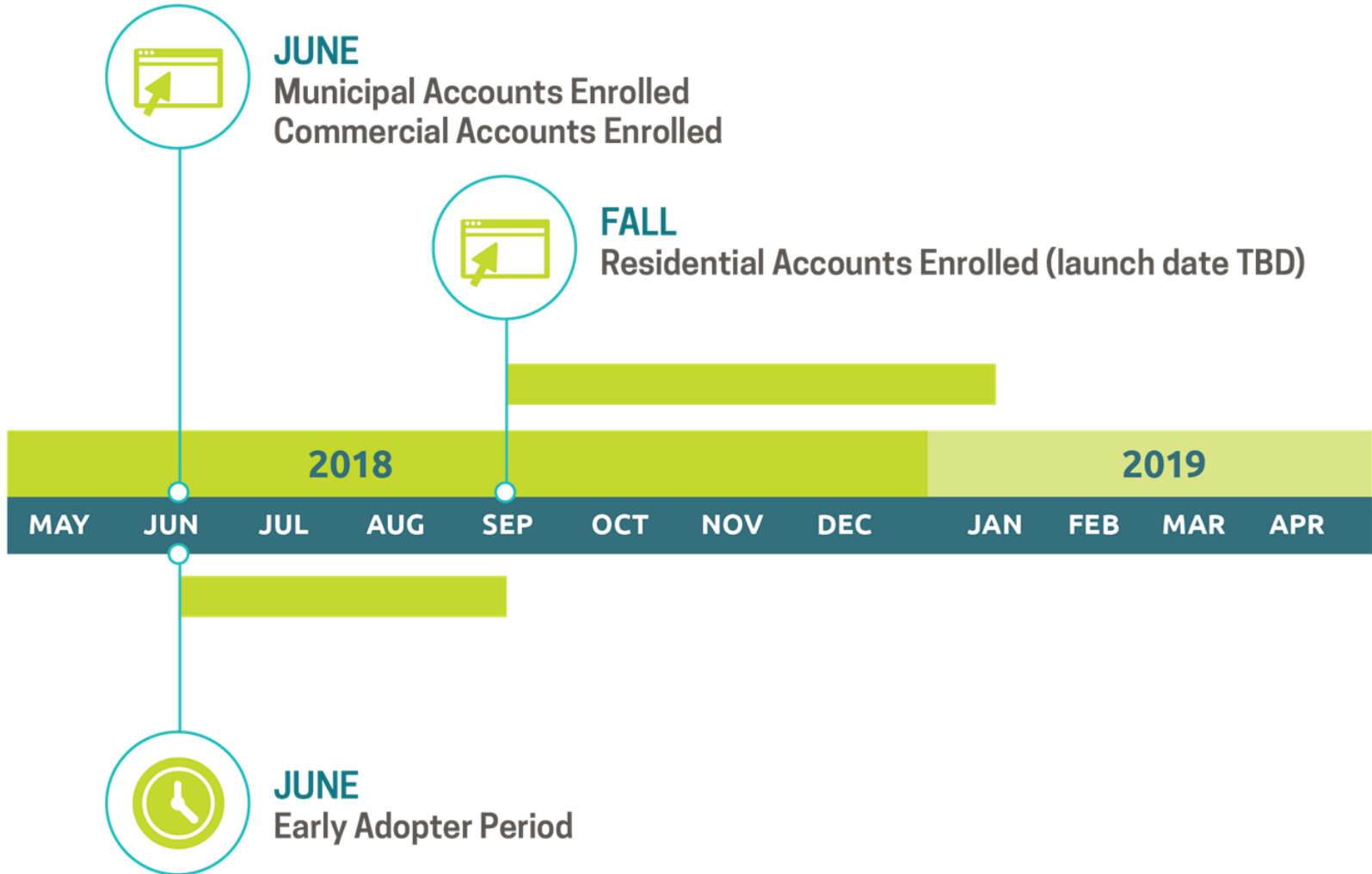
East Bay Community Energy



- ▶ JPA established in late 2016
- ▶ EBCCE Board meeting regularly since January 2017
- ▶ Goals include:
 - ▶ Rates competitive with PG&E
 - ▶ Electricity with lower GHG intensity
 - ▶ Develop new renewable energy facilities in Alameda County



EBCE SERVICE BEGINS IN JUNE



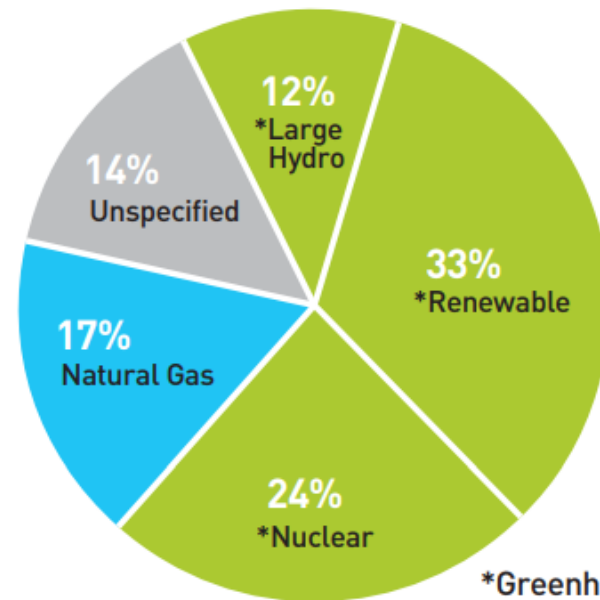
Renewable Portfolio Standard (RPS)



- ▶ California requirements:
 - ▶ 33% renewable by 2020
 - ▶ 50% renewable by 2050
- ▶ In 2016, PG&E was 69% GHG Free

2016 POWER MIX

PG&E-owned generation and power purchases



*Greenhouse-gas-free and/or renewable resources

Two Products



85% carbon-free
(37% renewable +
47% hydro)

1.5%
discount rate



100% carbon-free
(40% renewable +
60% hydro)

rate equal to
PG&E

PG&E and Other CCAs



	2016		2018		
	PG&E	Default Product of Other CCAs	PG&E	EBCE Bright Choice	EBCE Brilliant 100
Renewable Content (default product)	33%	40 - 55%	42%	38%	40%
Carbon Free (default product)	69%	68 - 100%	88%	85%	100%
Residential Rate compared to PG&E	N/A	+4 to -5%	N/A	-1.5%	equal
Non-Residential Rate compared to PG&E	N/A	+2.4% to -5%	N/A	-1.5%	equal

Default Electricity Product



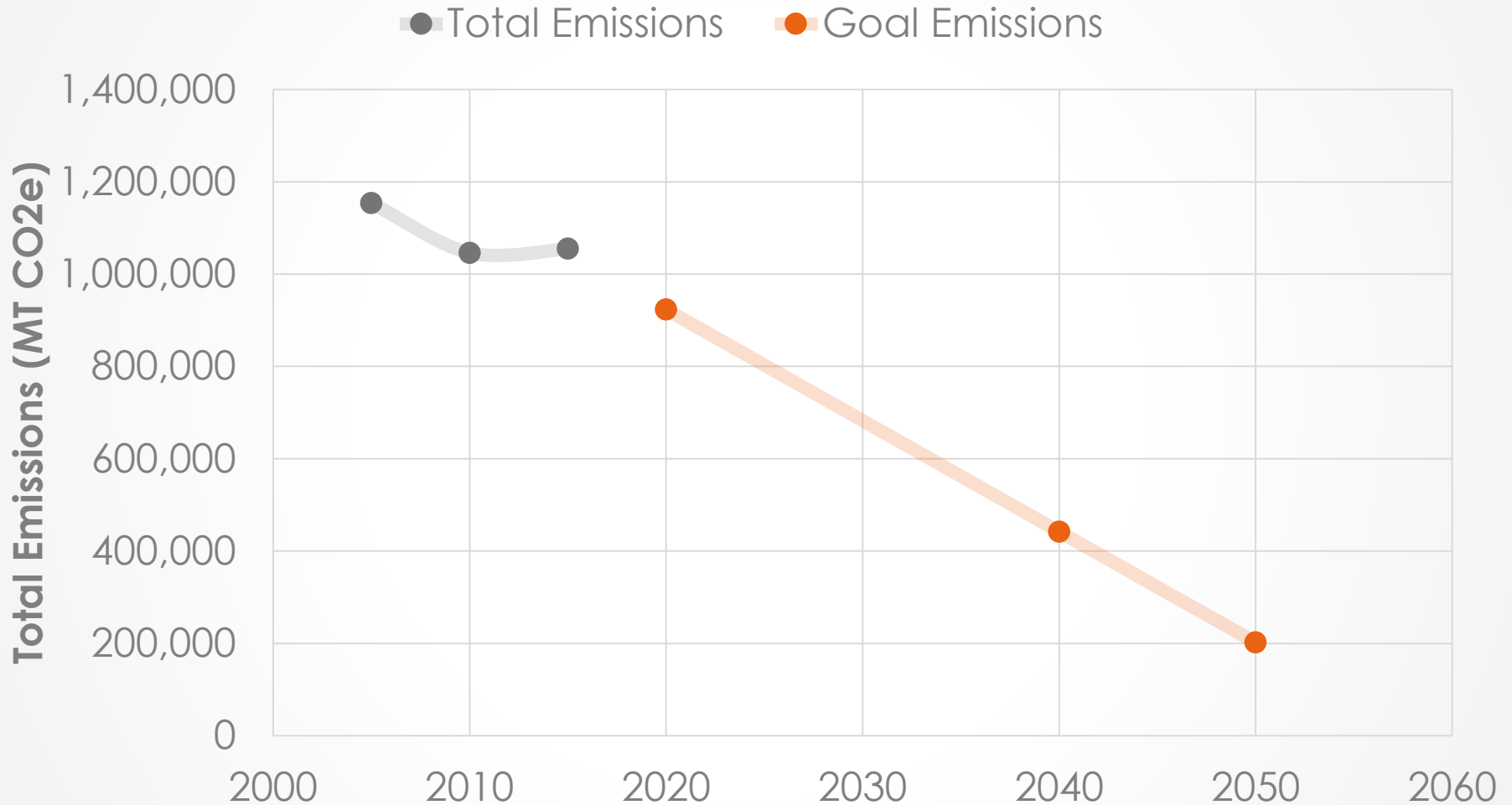
- ▶ Bright Choice is standard default
- ▶ Cities can choose Brilliant 100 as default
- ▶ Berkeley, Piedmont, Emeryville, San Leandro, and Oakland are exploring the idea of Brilliant 100 as default
- ▶ Last night, Albany selected Brilliant 100 as default

March 5 Email from EBCE CEO



- ▶ Confirms that cities can choose default
- ▶ Recommends against Brilliant 100 default
- ▶ If Brilliant 100 is default, then special noticing
- ▶ If Brilliant 100 is selected as default, then only for Phase 1

GHG Inventories & CAP Goals



Possible Scenarios for 2020 Goal



Scenario #	Assumptions			Total GHG Reduction from 2005 - 2020
	GHG-Free Electricity	Opt Out Rate	DA Load Switch to EBCE	
1	73%	5%	20%	-9.1%
2	85%	5%	50%	-13.3%
3	100%	10%	65%	-20.1%

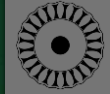
Economic Impact



If Bright Choice is default, customers will see some minimal savings (less than 1%).

If Brilliant 100 is default, customers will see no change in cost of electricity.

Fiscal Impact



- ▶ City spends approx. \$1m per year on electricity generation charges
- ▶ If City purchases Brilliant 100, no change in cost
- ▶ If City purchases Bright Choice, annual savings* will be \$10,000 to \$15,000

* Savings will decrease as City installs more solar and purchases less electricity

Draft Resolutions



- ▶ Recommendation: Adopt resolution authorizing purchase of Brilliant 100 for City facilities
- ▶ Council may also decide to adopt resolution selecting Brilliant 100 as default for nonresidential

Next Steps



- ▶ Non-residential customers:
 - ▶ Opt out notices will be mailed in April and May
 - ▶ City outreach to minimize opt-outs
 - ▶ Service begins in June

Questions & Discussion

