




Community Choice Energy and Caltrain Electricity Service

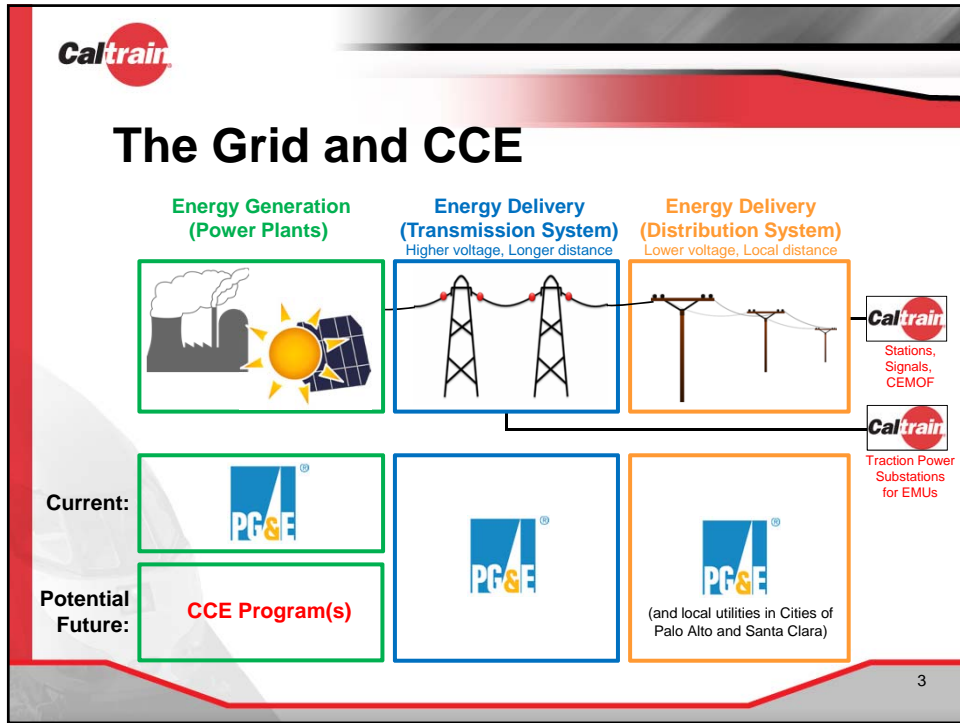
Board of Directors
May 5, 2016
Agenda Item 16



Community Choice Energy (CCE) Programs: Motivation




- Enable local municipalities to aggregate power demand and procure electricity on behalf of their communities
- Allow more local control over cost and source of electricity supply
- Aim to provide higher-renewable, lower-greenhouse gas emissions electricity

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Caltrain

Three CCEs along Caltrain Corridor

	San Francisco	May 2016
	San Mateo County	October 2016
	12 communities in Santa Clara County (Caltrain: Mountain View, Sunnyvale, Gilroy)	Spring 2017

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Community Choice Energy (CCE) Programs: Administrative

- Customers are automatically enrolled into CCE
- Customers can “opt-out” back to PG&E at any time; administrative fee applies after initial enrollment period
- PG&E continues to provide electricity delivery, line maintenance, repairs, customer service, and billing

ENERGY STATEMENT		Account No: 1234567890-1
www.pge.com/MyEnergy		Statement Date: 10/01/2013
		Due Date: 10/22/2013
Service For:	Your Account Summary	
MARY SMITH	Amount Due on Previous Statement	82.85
1234 STREET AVENUE	Payments Received Since Last Statement	82.85
SAN RAFAEL, CA	Previous Unpaid Balance	\$0.00
94804	Current PG&E Electric Delivery Charges	\$39.32
	MCE Electric Generation Charges	\$42.81
	Current Gas Charges	\$27.00
	Total Amount Due	\$109.33
	Total Amount Due	\$109.33
Questions about your bill?		
24 hours per day, 7 days per week		
Phone: 1-866-743-0335		
www.pge.com/MyEnergy		

Image Source:
Mann Clean Energy
(MCE) CCE Program

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Options

1. Stay enrolled in CCEs, at default 33+% renewable
2. Stay enrolled in CCEs, choose 100% renewable
3. Opt-out back to PG&E, at default 27% renewable
4. Opt-out back to PG&E, choose 50+ or 100% renewable

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Options

Source	Option	Service	Percent Renewable Energy	Estimated Annual Cost Increase (Compared to PG&E Default)*	
				%	\$
3 CCE Programs	1	Default	33-50% or more	equal or less	equal or less
	2	Voluntary	100%	5% - 10%	\$60,000 - \$120,000
	3	Default	27%	0%	\$0
	4a	Voluntary	63.5% (50% Solar Choice)	10%	\$120,000
	4b	Voluntary	100%	20%	\$240,000

Staff Recommendation

*** Notes:**

- Annual electricity cost for existing Caltrain system: ~\$1,200,000
- Estimated annual cost increases are based on CCE and PG&E information available April 2016.
- Actual costs will depend on actual rates, which are different for each CCE, as well as actual usage. CleanPowerSF set rates in early 2016. Peninsula Clean Energy and Silicon Valley Clean Energy are expected to set rates in June 2016 and January 2017, respectively.
- Option 2 shows an aggregate cost estimate assuming Caltrain enrollment in all 3 CCEs. Costs for each individual CCE vary. Caltrain may opt out of 1, 2, or all 3 CCEs.



Next Steps

June 2016	Present formalized recommendations for Board action
2016	Conduct Technical Evaluation
Early 2017	Update Board
2018	Evaluate 1 year actual CCE billing data; update Board



Technical Evaluation Criteria

- Reliability
 - Generation / supply
 - Infrastructure / grid
- Environmental benefits
 - % renewable
 - % greenhouse gas emissions-free
- Cost
- Administrative procedures
- Compatibility with electrified Caltrain
- Other?

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Questions

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