


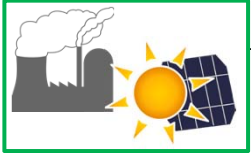
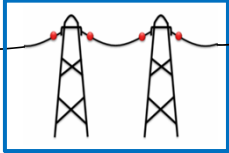








Update on Community Choice Energy and SamTrans Electricity Service

Board of Directors
February 1, 2017
SP, D & S Agenda Item 3

San Mateo

The Grid and Community Choice Energy



	Energy Generation (Power Plants)	Energy Delivery (Transmission System) Higher voltage, Longer distance	Energy Delivery (Distribution System) Lower voltage, Local distance
			
Previous:			
Current Path:			

2

Community Choice Energy (CCE)



- **Cities/counties procure and provide electricity on behalf of their communities**
 - Goal: higher-renewable, lower-greenhouse gas emissions electricity, at competitive rates
- **Electricity still delivered and billed by PG&E**
- **Automatic enrollment; customer can opt-out at any time**
- **June 2016**
 - Board took action to enroll in CCE
 - Staff to conduct Technical Evaluation

3


Technical Evaluation Criteria and Results



- **Environmental: % renewable, % GHG-free**
- **Cost**
- **New Entity Risk Management**
 - Successful start-up of service, high customer participation, industry standard / prudent power management practices
- **Administrative**
 - No adverse effects on billing or customer service

4


Technical Evaluation Criteria and Results (cont.)





- **Reliability: infrastructure**
 - No change; delivered and maintained by PG&E
 - De-prioritization of CCE customers not allowed nor practicable
- **Reliability: energy supply**
 - Industry standard / prudent Power Purchase Agreements, Reserve Capacity, CAISO oversight
- **Compatible with future SamTrans**
 - CCE supply can support electric bus fleet
 - SamTrans should explore negotiating transit-specific rates, regardless of provider

5

Options




Generation Source	Option		% Renewable Energy	% GHG-free Energy	Est. Annual Cost Difference (Compared to Previous PG&E)	
					%	\$
	1	current path	50%	75%	- 2%	- \$17,000
	2	upgrade	100%	100%	+ 2%	+ \$17,000
	3	opt-out back to PG&E	30%	59%	0%	\$0
	4	opt-out & upgrade	100%	100%	+ 19%	+ \$145,000

Staff Recommendation

Notes:


- Annual electricity cost for existing SamTrans: ~\$775,000
- Estimated annual costs are based on PCE and PG&E actual rates as of December 2016, and historic SamTrans electricity usage (kWh). Actual costs will depend on actual usage. Costs presented are inclusive of all service charges: generation, transmission & distribution, and other fees.
- Values may not sum due to rounding.

6

Next Steps 

- **March 2017**
 - Staff presents formalized recommendation for Board action
- **April 2017**
 - Peninsula Clean Energy (PCE) finishes enrolling remainder of SamTrans electricity meters
- **Spring 2018**
 - Staff evaluates 1 year actual PCE billing data
 - Update Board

7



Questions

8