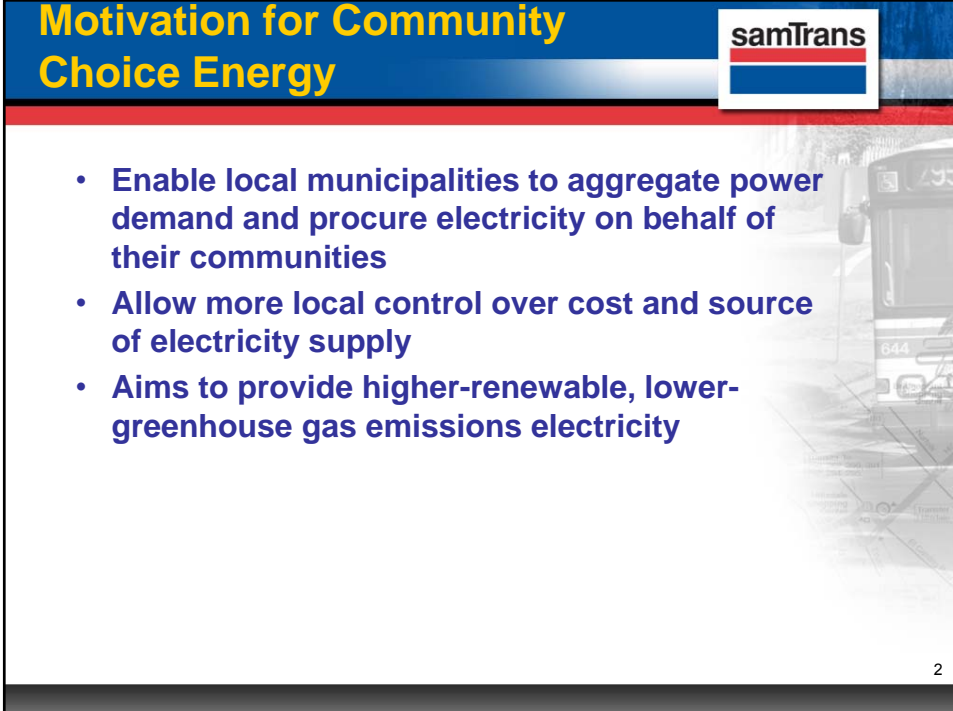



Community Choice Energy and SamTrans Electricity Service

Board of Directors
June 1, 2016
PD&S Agenda Item 3


Motivation for Community Choice Energy



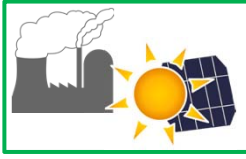
- Enable local municipalities to aggregate power demand and procure electricity on behalf of their communities
- Allow more local control over cost and source of electricity supply
- Aims to provide higher-renewable, lower-greenhouse gas emissions electricity

2

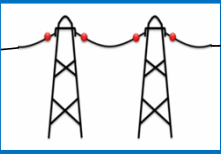
The Grid and Community Choice Energy




**Energy Generation
(Power Plants)**




**Energy Delivery
(Transmission System)**
Higher voltage, Longer distance





**Energy Delivery
(Distribution System)**
Lower voltage, Local distance




Current:









Potential Future:









- 100% of SamTrans electricity
- Launching October 2016

3

Peninsula Clean Energy (PCE) and PG&E






- Customers are automatically enrolled into PCE
- 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

Image Source: Marin Clean Energy (MCE) Community Choice Energy Program

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	92.95
SAN RAFAEL, CA	Previous Unpaid Balance	90.00
94804	Current PG&E Electric Delivery Charges	339.33
	MCE Electric Generation Charges	542.81
	Current Gas Charges	327.20
	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		

4


Options





1. Stay enrolled in PCE, at default 50+% renewable
2. Stay enrolled in PCE, 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

5

Options



Source	Option	Service	Percent Renewable Energy	Estimated Annual Cost Increase (Compared to PG&E Default)*	
				%	\$
	1	Default	50% or more	equal or less	equal or less
	2	Voluntary	100%	2% - 10%	\$15,000 - \$75,000
	3	Default	27%	0%	\$0
	4a	Voluntary	63.5% (50% Solar Choice)	10%	\$75,000
	4b	Voluntary	100%	20%	\$150,000

Staff Recommendation

*** Notes:**

- Annual electricity cost for existing SamTrans: ~\$750,000
- Estimated annual cost increases are based on PCE and PG&E information available April 2016.
- Actual costs will depend on actual usage and actual rates. PCE is expected to set rates in June 2016.

6

Next Steps



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

7

Technical Evaluation Criteria



- **Reliability**
 - Generation / supply
 - Infrastructure / grid
- **Environmental benefits**
 - % renewable
 - % greenhouse gas emissions-free
- **Cost**
- **Administrative procedures**
- **Compatibility with electric bus fleet**
- **Other?**

8

Questions