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
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:
- PG&E

Potential Future:
- PENINSULA CLEAN ENERGY
  - 100% of SamTrans electricity
  - Launching October 2016

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
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

*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.
Next Steps

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<tr>
<th>Year</th>
<th>Activity</th>
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<tr>
<td>June 2016</td>
<td>Present formalized recommendations for Board action</td>
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<tr>
<td>2016</td>
<td>Conduct Technical Evaluation</td>
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<tr>
<td>Early 2017</td>
<td>Update Board</td>
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<td>2018</td>
<td>Evaluate 1 year actual PCE billing data; update Board</td>
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Technical Evaluation Criteria

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