East Bay Community Energy
Local Development Business Plan

Energy Efficiency Assessment

Overview of Draft Deliverable
Chris Sentieri, The Offset Project
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LDBP Project Team:

ALHECON
ALH Urban & Regional Economics

The Offset Project
Clean Coalition
eco-shift Consulting
OPTONY

Special Advisors:
Betony Jones & Gary Calderon
Notes on Methodology

- Extensive Stakeholder Engagement
- Integrated Data Analysis
  - Historical Customer Energy Data (CCA Info Tariff)
    - 4 years of Item 16 (2013-2016)
    - 2 years of Items remaining Items (2015-2016)
      - Including 2 years of Item 17 (AMI 60/15 minute Interval data)
  - Local Weather Station Data
  - CAISO DA and RT Pricing Data
  - CalEnviroScreen Data
  - ESRI/ArcGIS Geospatial Data
  - County Parcel Data
Overview of EBCE Load Profile Analysis

- Holidays correlate with load spikes.
- Large Min Max differentials appear to correlate with large load spikes.
Significant EE Opportunities for EBCE

1. E1 Residential - 385k Accounts / 1,730 GWh (35% of EBCE Load)

2. E1L CARE Residential - 106k Accounts / 450 GWh (6% of Load)

3. E19SV Lg. Commercial - 2,800 Accounts / 1000 GWh (15% of Load)

4. E20P Industrial - 75 Accounts / 800 GWh (10% of Load)

5. A10SX Sm./Med. Biz - 4,300 Accounts / 890 GWh (13% of Load)
Existing EE Infrastructure in Alameda County

 Established EE programs in Alameda County:
  - PG&E 3P and LGP Programs
    - LGP = East Bay Energy Watch (EBEW)
  - Bay Area Regional Energy Network (BayREN)
  - StopWaste Energy Council

 PACE providers:
  - CaliforniaFIRST- Renew Financial
  - PACEDirect Commercial PACE- Clean Fund
  - Home Energy Renovation Opportunity (HERO)- Renovate America
Energy Efficiency Options For EBCE

1. Support Existing EE Programs
2. Use EBCE Revenues to Implement EE Programs
3. Apply to Administer (ATA) Programs
4. Elect to Administer (ETA) Programs
<table>
<thead>
<tr>
<th>Risk</th>
<th>Description</th>
<th>Mitigation</th>
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<tbody>
<tr>
<td>Political</td>
<td>• Duplication of existing effort</td>
<td>Collaboration &amp; Coordination</td>
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<td></td>
<td>• Community support/discontent</td>
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<td>Operational</td>
<td>• Business Model Risk (<em>reduced load = reduced retail sales/revenues</em>)</td>
<td>• Granular Load analysis (<em>Use the interval data!</em></td>
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<td>• Costs and capacity to implement</td>
<td>• Target expensive load</td>
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<td></td>
<td>• Use External Funding and Pay-for-performance</td>
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<tr>
<td>Regulatory</td>
<td>• Passing TRC test</td>
<td>• “Low hanging fruit”</td>
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<td>• More Rigorous Evaluation for ATA</td>
<td>• Low cost high impact EE</td>
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Phase 1 Recommendations: Years 1-2

1. Support Existing Programs and Partners
2. Build In-house Integrated Data Platform
3. Leverage Trained Customer Service Reps and Customer Service Center (*Outbound Calling*)
4. Conduct Comprehensive Cost of Service study
5. Develop RFQ for EE Technology/Service Providers
Phase 2 Recommendations: Year 3

1. Targeted, Revenue-based EE Programming
2. Integrate Metered EE Capabilities w/Data Platform
3. Implement Pay-for-performance Contracting Strategy (i.e., OpenEEmeter- Residential, MEETS- Non-residential)
4. Apply Community Benefit Adders Mechanism (to RFP’s and Incentives/Payouts)
Phase 3 Recommendations: Year 4

1. Elect To Administrator “ETA” (*PGC-funded EE*)
2. Coordinate with PG&E, EBEW, BayREN, StopWaste
3. Use Cost Causation Approach to Target Problem Loads and Continually Reduce Cost of Service for All Customers
4. Finally... Lather, rinse, repeat (*Update, refine, iterate*)