



East Bay Community Energy Local Development Business Plan Energy Efficiency Assessment

Overview of Draft Deliverable
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LDBP Project Team:

ALHIECON

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Clean  **Coalition**
Making Clean Local Energy Accessible Now



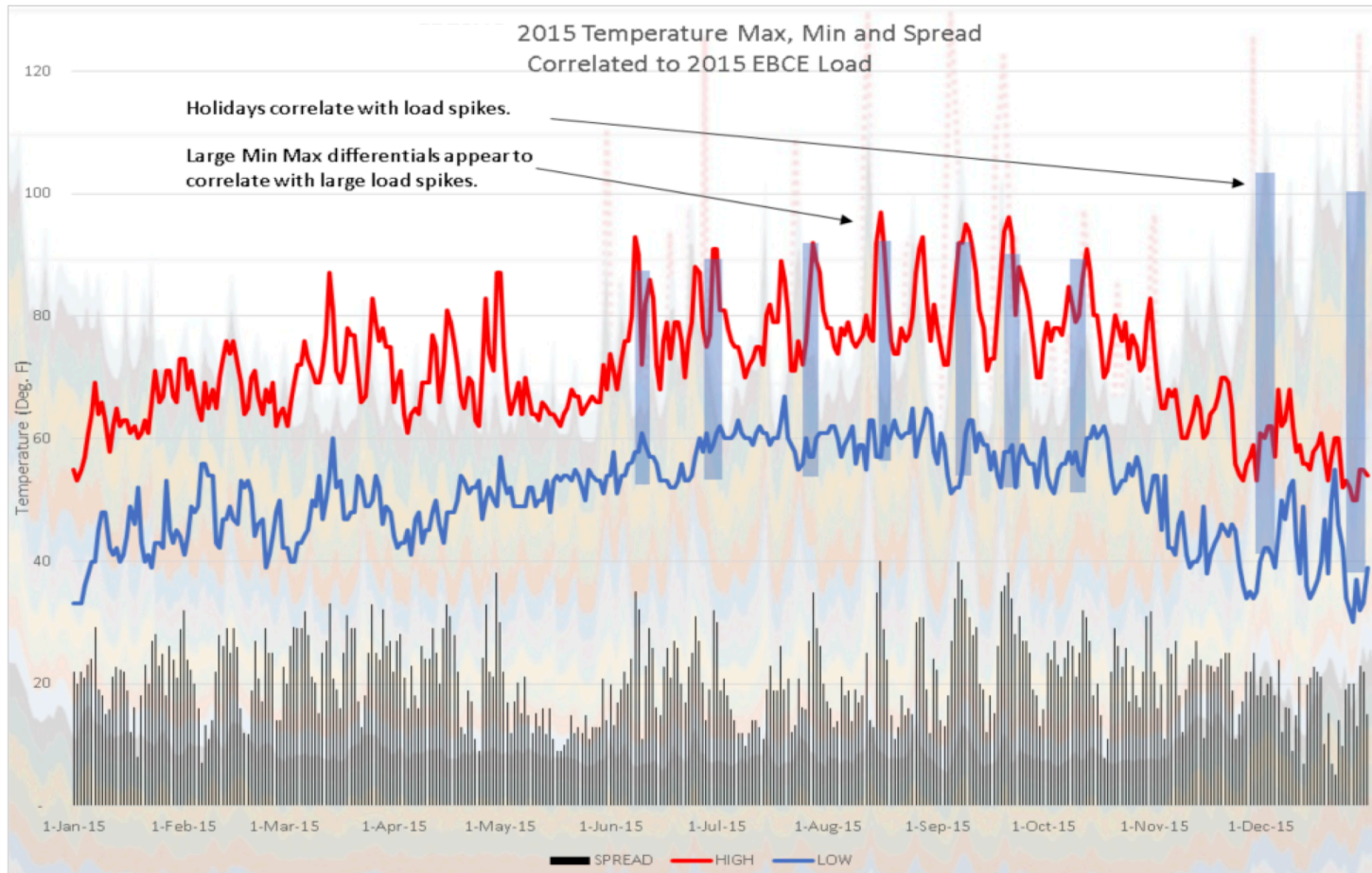
OPTONY

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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



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

Risks & Mitigations

Risk	Description	Mitigation
Political	<ul style="list-style-type: none"> • Duplication of existing effort • Community support/discontent 	Collaboration & Coordination
Operational	<ul style="list-style-type: none"> • Business Model Risk (<i>reduced load = reduced retail sales/revenues</i>) • Costs and capacity to implement 	<ul style="list-style-type: none"> • Granular Load analysis (<i>Use the interval data!</i>) • Target expensive load • Use External Funding and Pay-for-performance
Regulatory	<ul style="list-style-type: none"> • Passing TRC test • More Rigorous Evaluation for ATA 	<ul style="list-style-type: none"> • “Low hanging fruit” • Low cost high impact EE

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*)