

MEETING NOTES

Energy Council TECHNICAL ADVISORY GROUP (TAG)

Tuesday, August 15, 2017 – 1:00 pm to 2:00 pm

Attendance:

City of Alameda: Maria DiMeglio (phone)

City of Albany: Claire Griffing, Fanny Yang (Civic Spark)

City of Berkeley: Billi Romain, Caytie Campbell-Orrrock, Jacob Strauss (Civic Spark)

City of Dublin: Rebecca Parnes

City of Emeryville: Nancy Humphrey

City of Fremont: Rachel DiFranco, Kranti Malik (Civic Spark)

City of Hayward: Mary Thomas, Chris Sturken (Civic Spark)

City of Livermore: Patricia Pontau (phone)

City of Oakland: Shayna Hirshfield-Gold

City of Piedmont: Emily Alvarez, Olivia Ashmoore (Civic Spark)

City of San Leandro: Sally Barros, Ben Davenport (Civic Spark)

City of Union City: Kranti Malik (Civic Spark)

County of Alameda: Ryan Bell (phone)

StopWaste: Karen Kho, Jennifer West, Miya Kitahara, Judi Ettliger

Guests: Byron Pakter, Optony; Chris Sentieri, Off-set Project (phone)

Meeting Notes

Staffing Update

Welcoming new staff:

- Jennifer West – energy, green building, and landscaping programs; previously agency Board member from Emeryville
- Jeffery Liang – outreach for single family, multifamily, codes; previous agency employee
- Ben Cooper – CEC multifamily grant; currently with SF Environment working on BAMBE
- Heather still on-staff for intermittent on-call work

EBCE Local Development Business Plan Team

- Byron Pakter of Optony presented slides
- LDBP is an economic plan, not about rates or carbon, but about economic development cobenefits; how to integrate all generation and DER resources to provide local benefit?
- CPUC developing stricter requirements of CCAs to develop IRP's
- Looking for TAG input on:
 - Data – EBCE has deeper PG&E data than any previous CCA, but usage data is not all of the needed data.

- Looking for studies cities have done that may be relevant (e.g. Fremont's hotspot analysis)
 - Status update on DER and EE programs and projects, goals
 - Identifying which parts of EE should be taken on by EBCE, and which should be left to existing program administrators
 - Avoiding duplication on storage, DR, dynamic EV (e.g. SCP connection between cities' EVSE and dynamic use timing, but maybe more aggressive than SCP)
- Managing grid and capacity
 - Planning for increased capacity need to consider options for managing capacities like grid/panel upgrades versus on-site storage; LDBP focusing a lot on energy storage
 - LDBP includes exploring mapping of distribution grid capacity with PG&E
 - Cities encouraged to share their capacity questions and concerns. If not LDBP, implementation process should address city questions about capacity needs
- How does it piece together with local city build out plans and regional plans like plan bay area?
 - Propose giving every jurisdiction a map, including solar siting, biogas, and microgrid surveys are mapping exercises, picking out spaces from spatial data. Currently have worked with PG&E data, weather normalization data, parcel data from county. Heat maps not yet available for public, working through CEO review.
 - Haven't accessed information from cities yet on knowledge of good sites, or currently open sites that have planned development and won't be available for energy asset installations. Need to address land use designations, zoning, and requirements to ensure installations are allowed.
 - **Recommend present local plan for each city, to convene cross-department meeting:** Planning, econ dev, engineering staff, to review all proposed sites. Most cities agreed they would organize that. Send planned development map (GIS, or even xls, PDF) to team as background. Not yet looked at general plans, etc. from cities, haven't successfully gotten planning directors to participate in stakeholder conversations.
 - Next step: Will send out a call for data – local land use maps, economic development, planning, etc. Economic cluster, zero energy district, land use that was a landfill. Sites that may be available, will become unavailable, zones targeted for specific uses.
 - EBEW white paper of key interest, anticipated updated version to be completed end of August.
 - Have they looked at other data like PV interconnectivity statistics data (yes) and EV adoption statistics (no); have pulled down CSI data. Had requested data from EV Coordinating Committee on projected EVSE. Fremont to send analysis on EV adoption and its impacts on residential energy usage.

CAP 1.0 Debrief Next Steps

Staff provided updates on CAPs and data:

- Data access: LGSEC will send out a survey to its members on the hardships caused by missing PG&E community-level data. StopWaste will remain involved in helping craft a sample letter expressing the problem from local government perspective
- BAAQMD funding: Scheduling a meeting with Air District for potential CAP implementation funding to provide local perspective/input on funding program design.
- CAP 1.0 Debrief: Compiling all jurisdictions' CAP measures and comparing anticipated measure impacts between cities and with current trends

Single-family Update

Staff provided an update on Home Energy Analytics

- Contracting with PG&E to run a program for PG&E customers, one of PG&E's pay-for-performance (P4P) pilot. PG&E looking for very high energy users, particularly plug-load; not necessarily homes with upgrade opportunities. Discussions with BayREN on cross-referral. They will cross-refer homes that aren't a good fit for plug-load (behavior change) P4P, to BIG for HVAC (more inland) P4P opportunities
- The opt-in online tool provides monthly reports on plug load use and get tips on how to save energy. Piloted it several years ago, with Fremont, Dublin, San Leandro participating in "challenges" that benefited with funding for their libraries; ended it because Planet Ecosystems was supposed to be rolled out and marketed statewide. About 1,000 residents signed up in Alameda County
- The tool's usability is limited: Requires an interest to digest and understand reports. Tool is only EE, not EV, solar, etc. while Fremont is trying to promote a comprehensive climate action platform. Can't use HEA on a home with EV or PV. Contractor, city cannot use the tool to market the program. Outreach was resource intensive. StopWaste unlikely to layer onto marketing.

Staff described Nexi pilot

- Provides a simple in-home visual display in real-time during the day
- San Mateo County proposing to pilot through BayREN
- Suggested potential to integrate into Rising Sun
- Hayward is about to launch smart water platform, open if there is any testing that could be done to integrate water usage

Member Comments & Discussions

- SunShares launched. Oakland developed electrification information for the back of flyer, will share. Present SunShares as one component for a clean home. Discussion to continue to request heat pumps and EVSE be added to SunShares products. Break-out group reach code on building electrical code for larger electrical panel. SunShares workshop scheduled for Oakland City Hall on Aug 30th.

Civic Spark presentations followed 2:00 – 3:30 pm

UPCOMING TAG MEETINGS: Sept 19, 2017: 8am-5pm Fuel Switching Convening with Green Cities California (at Sierra Club); Oct 17, 2017 1-3 pm

Acronyms:

BAAQMD	Bay Area Air Quality Management District
BAMBE	Bay Area Multifamily Building Enhancements
BayREN	Bay Area Regional Energy Network
CAP	Climate Action Plan
CCA	community choice aggregator or Community Choice Aggregation
CEC	California Energy Commission
CPUC	California Public Utilities Commission
CSI	California Solar Initiative
DER	Distributed Energy Resources
DR	Demand Response
EBCE	East Bay Community Energy
EBEW	East Bay Energy Watch
EE	Energy Efficiency
EV	electric vehicle
EVSE	Electric Vehicle Service Equipment
HEA	Home Energy Analytics
HVAC	Heating Ventilation and Air Conditioning
GIS	Geographic Information
IRP	Integrated Resource Planning
LDBP	Local Development Business Plan
LGSEC	Local Government Sustainable Energy Coalition
P4P	Pay for Performance
PV	Photo Voltaic
SCP	Sonoma Clean Power
TAG	Technical Advisory Group