MEETING NOTES

Policy Advisory Committee (PAC) Meeting

Wednesday, February 22, 2023
10:00 a.m. – 3:00 p.m.
PG&E HQ (300 Lakeside Drive, Oakland, 94612)

Agenda

- 2022 Business Plan Annual Report
- Metric 8A Cal TF 5-year Roadmap
- Metric 4A New Measure Identification Strategy
- Metric 8C Workplan Procedure & Template
    - PAC Affirmation
- White Paper and TPP Topics

Meeting Materials

- [PAC Meeting Agenda](#)
- [PAC Meeting Presentation](#)
- [2022 Business Plan Annual Report](#)
- [Metric 4A New Measure ID Strategy](#)
- [Metric 8C Workplan Procedure](#) (for PAC affirmation)
- [Metric 8C Workplan Template](#) (for PAC affirmation)

Attendees

Cal TF Staff:

- Annette Beitel
- Ayad Al-Shaikh
- Arlis Reynolds
- Spencer Sator
- Tomas Torres-Garcia (remote)
- Chau Nguyen (remote)

PAC Members:

- Armen Saiyan, LADWP
- Don Gilligan, NAESCO (remote)
- John Zwick, SDG&E
- Marc Costa, The Energy Coalition
- Martha Garcia, SCG
- Peter Miller, NRDC
- Scott Fable, PG&E

Meeting Notes

John Zwick provided a contract update and key components in the scope of work (SOW):

- SDG&E is lead IOU for CalTF/eTRM contract effective 1/1/2023, and Future Energy Enterprises was awarded the 5-year contract.
- Cal TF SOW
    o Multiyear "Roadmap" places emphasis on longer-term planning.
    o Aligns budgeting timelines with required regulatory filings.
    o Workplans for certain projects to align on objectives and scope.
    o Establishes path to fund "supplemental business plan" items.
- eTRM SOW
    o "Roadmap" and budgeting timelines as in CalTF scope.
    o Responsibilities for license management and cybersecurity.
    o Path to documented Service Level Agreement.

2022 Business Plan Update / Annual Report

Cal TF Staff distributed the [2022 Business Plan Annual Report](#), and highlighted key activities and accomplishments for the Cal TF.

- John – There are so many homegrown systems that are not interconnected
- Marc – Kudos on the visualizations; consider and communicate the use cases for eTRM data and visualizations; what are the uses cases beyond EE stakeholders?
    o Ayad – We developed the five data views based on eTRM stakeholder input, and are exploring additional
- John – We need representative measures to help with forecasting; representative measures help translate savings from the Potential & Goals study to planning
    o Armen – LADWP is performing a gap analysis to compare P&G with actual claims
    o John – P&G doesn't consider regulatory program constraints in potential models (e.g., custom projects can't get through)
- Martha – Do we know how many of the eTRM user accounts are active?
    o Ayad – We don't have that exact data in terms of registered user accounts, but we are working with the software developer to track that information.

Metric 8A Cal TF 5-year Roadmap

Annette Beitel introduced the Cal TF 5-year Roadmap activity, describing the purpose, proposed format, and background/context information. Annette presented proposed initiatives collected from previous Cal TF PAC, TF, and stakeholder discussions. PAC members and Cal TF Staff shared their input on organizational needs and desired successes for the Cal TF.

Desired successes:

- John – Happy customers; strong risk management and compliance; stabilize chaos in the custom programs. Regulatory is a big driver in all our work. Match value and level of precision; no more engineering to 10th decimal point (e.g., talking about interactive effects for replacing refrigerator)

- Scott – Make EE stable and predictable in terms of how savings are calculated; need approach for approvable, viable savings claims; need confidence to try something new, that efforts will be accepted by regulators (e.g., Load Management, layering EE with something else). There is too much risk or uncertainty whether can get credit if we try something new. Need ability to run innovative programs without being second-guessed. Goal to have industry in agreement about approach to estimate and document savings. Cal TF is an important partner that can engage stakeholder groups. Interested in integrating all things load management.
- Peter – Remove the sand in the gears and the friction that is hindering EE activity and slowing down EE progress; create an ecosystem that is efficient, clear, understandable, coordinated, integrated; there is value in everyone looking at same platform; interested in advancing data systems, broader application across the state; and expanding to other programs (e.g., DR). California is a leader in this space and can be a resource for elsewhere; partner with other program opportunities; amplify and expand the work of the whole.
- Martha – eTRM: Make the eTRM highly valuable; a fully-integrated system such that not a lot of in between work needs to be done by the utility; minimize separate work by the utility. Anyone should be able to into the system to access whatever information we are seeking; also a focus on GHG. Cal TF: Going back to original intent, help us get workpapers through the system; e.g., providing technical assistance for SoCalGas to reduce workload. Rather than asking the IOUs to provide data to Cal TF, leverage the expertise at Cal TF to bring back to IOUs. Help implement new measure packages; there is still resistance at CPUC; e.g., sent back to drawing board if there is not enough data. Improve categorizing; links to information.
- Armen – Integrated data platform; library for key resources, data, etc. with links to key information (e.g., the EE google). Tie into Market Transformation; locational granularity (LADWP looking at locational strategies for key constrained areas); focus on electrification. Load flexibility (not just EE) is important for LADWP resource planners.
- Marc – Considering the 5-year timeline, it would be a success to exist and be relevant. EE will be surpassed by solar, DERs; success would involve solving some stranded asset challenges (e.g., EE, demand flexibility). We should do everything we do now but for everything (all resources). Also exploring citizen energy communities; empowering customers to play a larger role in the system; localize energy resources; support customer affordability.
- Ayad – provide all solutions behind the meter (as Armen described); develop/enable the right combination of solution for individual; provide a intake portal that can support new ideas and engage product developers at their level – making it easy, understandable and a valuable use of time for someone with a good product.
- Arlis– Need to help move the market to achieve reductions so we survive; provide tools so that everything we touch "turns to flowers" – contractors/industry/programs should be empowered to capture all the solutions when visiting each customer/building (rather than siloed approaches); get rid of friction.
- Annette – Integrate all demand-side resources into eTRM; maximize use of eTRM; extend data fields to include all steps in measure journey, types of users, etc.

Additional comments on roadmap key initiatives / organizational needs:

- Peter – Dashboard showing progress toward GHG goals may not be appropriate since GHG is tabulated different ways; consider other metric – e.g., savings goals.
- Marc – nimbleness in analysis of data impacts; ability to update on the fly; e.g., adjust to changes in rates.
- John/SDG&E – (1) Operational excellence: Streamlined and error free data flow; rock-solid foundation for deemed data. (2) Aspirational growth goals: Maintaining stability takes priority over growth; recognize what is in our scope; recognize what are we not going to tackle. (3) Decarbonization and path to net zero; low GWP and electrification measures/programs/strategies.
- Martha/SCG – Total System Benefits (TSB) calculations; Measure properties, i.e., how do you deploy requirements to actionable data elements in systems.
- Armen/LADWP – eTRM as repository for all IDSM; all behind-the-meter impacts; hourly load impacts and modifying load impacts; customer-facing impacts; tools to understand hourly/location impacts if I do x,y,z measures. How could eTRM facilitate here and saturation point? Want to know the value of efficiency to quantify avoided costs.
- Scott/PG&E – stability, predictability and how to address meter-based programs; moving from static loadshapes to dynamics loadshapes
- Marc – Need to be able to take advantage of big measures and big opportunities that we cannot measure now; how do we ID what these measures are; how can we move measures from custom to deemed?

Metric 4A New Measure Identification Strategy

Spencer Sator presented Cal TF's proposed strategies for an enhanced new measure identification and intake process (BP Metric 4A).

- PAC members noted two challenges: 1) a capacity bottleneck for new measure review, especially in the years with measure updates – there are only so many resources to complete the reviews; 2) statewide data requirements mean that a measure submitter must have data for all climate zones – these can be onerous requirements for new measures
- Marc – pointed out that some measures ideas (like EMS/Controls) are not supported
- John – offered to share scoring matrix that RMS helped them develop when looking for PLA and HVAC products; in their case, screening took a long time
- Peter – valuable to provide scores back to companies if they don't score well. Potentially holes can be filled.
- Additional discussion points:
  - This effort will be funded by IOU EE portfolio; do we need to pull in other funding to identify other needs (low income, CCA/RENs, other)?
  - Tag NEBs for future searches, as needs may change

Metric 8C Workplan Procedure & Template

Arlis Reynolds presented the Workplan Procedure and Workplan Template (BP Metric 8C) for PAC affirmation.

The PAC affirmed the Workplan Procedure and Workplan Template.

White Paper and TPP Topics

Arlis Reynolds provided a summary of White Paper topics shared, discussed, and affirmed by the TF.

- Martha – How many White Papers will you do this year?
  - Arlis – The Business Plan requires one White Paper and one Technical Position Paper, but we may do more based on stakeholder interested and Staff capacity. TF affirmed the ISP Topic for one White Paper, and are continuing to solicit topics ideas from the TF for potential additional papers.
- Martha – Who participated in the scoring of the White Paper topics:
  - Arlis – We distributed the survey to all TF members and received 29 unique responses. The summary of topic descriptions and stakeholder comments is here: [Cal TF White Paper Topic Descriptions and Comments](). We anticipate doing another survey or ranking now that we have collected additional topic suggestions.

Annette Beitel and Ayad Al-Shaikh introduced Cal TF Staff's proposed TPP topic on Data Integration.

- PAC requested a figure that more clearly shows the current state of data systems and connections and where the eTRM fits in the current state.
- The PAC determined to hold on the Data Integration topic as a potential TPP. Cal TF Staff will build out the idea a bit more and consider a potential TPP topic related to the custom issues raised.

Next Steps & Action Items

Cal TF Staff will:

- Develop draft Roadmap based on PAC and TF member input, for discussion at next PAC meeting
- Connect with PAC members who missed the meeting regarding 5-year Roadmap
- Develop a figure that shows the current state of EE data systems and connections
- Identify an alternative TPP topic(s) for future PAC discussion

PAC members should share additional thoughts or input on key goals for the Cal TF 5-year Roadmap.

Next PAC meeting: Friday, April 28 at LACI Building (525 S Hewitt St, Los Angeles, CA 90013, Los Angeles, CA)