



Notes

California Technical Forum (Cal TF)

Meeting #41: Technical Forum (TF)

Thursday, July 26, 2018

10:00 am – 3:30 pm

California Energy Commission
1516 9th Street, Sacramento, CA

Time	Agenda Item	Discussion Leader(s)
10:00 – 10:15	Introductions & Overview	Jennifer Barnes, Cal TF Staff
10:15 – 12:15	eTRM Demonstration <ul style="list-style-type: none">• Overview – background & policy• DEER review• High-level comparison DEER to eTRM• eTRM overview<ul style="list-style-type: none">○ Measure tables○ Creating measure permutations○ Measure characterization○ Reference Library	Jennifer Barnes, Ayad Al-Shaikh Cal TF Staff Bing Tso, SBW
12:15 – 12:45	Lunch	
12:45 – 1:30	eTRM Transition Plan ACT: Cal TF Feedback on the Transition Plan	Jennifer Barnes
1:30 – 2:00	Status “eTRM as the Database of Record” & Outreach Plan <ul style="list-style-type: none">• Effect of ALJ Scoping Memo on Motion Requests & Timing• Outreach Plan	Jennifer Barnes



	ACT: Feedback from Cal TF on garnering support	
2:00 – 2:15	Break	
2:15 – 3:20	TPP 9: Deemed Measure Enhancements <ul style="list-style-type: none"> • Process and Timing <ul style="list-style-type: none"> ○ Notable Items “Tracking Sheets” ○ Cal TF Review and Feedback ACT: Discussion on process for developing TPP on measure enhancements	Ayad Al-Shaikh
3:20 – 3:30	Closing <ul style="list-style-type: none"> • Next Steps 	Annette Beitel

Meeting Materials

- Presentation: TPP 9
- Presentation: Transition Plan & Outreach Plan



I. Attendees

	<i>In-Person</i>	<i>Via Telephone</i>
<i>Cal TF Staff</i>	Jennifer Barnes Ayad Al-Shaikh	Annette Beitel Tim Melloch Roger Baker
<i>Cal TF Members</i>	Bing Tso SBW Doug Mahone retired HMG/TRC Pierre Landry Landry & Associates Larry Kotewa Elevate Energy Chan Paek So Cal Gas Spencer Lipp Lockheed Martin Sepi Shahindard Cadmus Gary Fernstrom retired PG&E George Beeler AIM Greg Barker Energy Solutions Ed Reynoso SDG&E Mary Matteson Bryan Ron Ishii AESC Chris Rogers ClearRESULT Tom Eckhart UCONS Mike Casey Onsite Energy Alina Zohrabian PG&E Owen Howlett SMUD Stefano Galiasso University of Chicago at Illinois	Martin Vu RMS Energy Consulting Steven Long Lockheed Martin Ryan Hoest EcoVox Lisa Gartland Proctor Engineering Larry Brackney NREL Armen Saiyan LADWP
<i>Non-TF Attendees</i>	Bob Ramirez DNV GL Jay Madden SCE Nick Janusch CEC Anne Fisher CEC Doug Kemmer CEC Michael Kenney CEC Julianne Alontave CEC Cam-Giang Nguyen CEC Heriberto Rosales CEC	Keith Valenzuela SDG&E Kelvin Valenzuela SDG&E Henry Lui, PG&E Alyssa Bruner PG&E Breesa Collyer PG&E Stephen Fok PG&E Mini Damodaran PG&E Brian Smith PG&E Josh Harmon PG&E Charlene Spoor PG&E Oriana Tiell PG&E Shannon Dorato Navigant Kristin Landry Navigant Karen Maoz Navigant



Vania Fong Navigant
Na Yu Navigant
Joe Priyjanonda AEG
Michael Daukoru AEG
Dimitry Burdjalov AEG
Devan Johnson KW Engineering
David Jump KW Engineering
Mrinalini Sharma KW Engineering
Lake Casco TRC
Colman Snaith TRC
Jim Hanna Energy Solutions
Teddy Kisch Energy Solutions
Mike Myser Energy Platforms
Leo Steidel Energy Platforms
Andrew Parker NREL
Ramin Faramarzi NREL
Sabaratnam Thamilsaran CEC
L Nguyen CEC
Ashish Goel InTech Energy
Michael Green Lockheed Martin
Marc Costa Energy Coalition
Valli K ANB Systems
Peter MILLER NRDC
Vrushali Mendon Resource
Refocus
Abhilash Muthumani UNCC
Priya Sathe Cadmus
Aravind Satheesh USF
Rajaram Srinivasan
Nils Strindberg CPUC
Don Arambula
Jake Wise Intech Energy



II. Notes

eTRM Demo

Presenters: Ayad Al-Shaikh, Jennifer Barnes, Bing Tso

Chris Rogers: Can you search the measure name or the body text?

Bing Tso: The search function we are displaying is just the name.

Doug Mahone: Has there been consistency effort in slight variations in names of measures?

Ayad Al-Shaikh: We are trying to clean up and standardize.

Bing Tso: We also have a statewide measure number with consistent taxonomy.

Annette Beitel: Broad effort of standardization through Jennifer Holmes for all the text portions of the measure characterization so this is single body of work. The lack of standardization is an issue that the Commission identified and our measure consolidation process is seeking to rectify.

Bing Tso: Also, Jennifer Barnes is doing similar effort for references. Standard review of quality of all references.

Spencer Lipp: Will you allow us to download and manipulate?

Bing Tso: Absolutely.

"Unknown": When does public get access to use or even a "sandbox" version.

Bing Tso/Annette Beitel: We have two phases of "Testing and Acceptance" that are occurring in 2018. The "testers" are limited to the "core organizations" – the four IOUs, the two funding POU's (SMUD and LADWP), the two regulatory agencies (CEC and CPUC Staff and their ex ante consultants). We expect to do another public demo through Cal TF after Phase 2 release. However, if "members of the public" (those who are not part of the "tester" organizations) have suggestions please send them to Cal TF staff and we will put on our master list of items to consider as part of "Phase 3" development.

Doug Mahone: Can you check more than one reference type?

Jennifer Barnes: That's a good point. I'll double check the current functionality but we only want users to be able to indicate one reference type.



Gary Fernstrom: Nice Work!

Transition Plan & Outreach Plan

Presenter: Jennifer Barnes

Doug Mahone: How does this fit with the eTRM?

Jay Madden: There are basically three separate tasks occurring on separate timelines: 1) The Statewide Workpaper consolidation effort, 2) e-TRM development and 3) addressing how doing calculations.

Mary Matteson Bryan: Have you considered reaching out to manufacturers for support?

Jennifer Barnes: That's a fantastic idea. I'll connect with you afterwards for your ideas.

Gary Fernstrom: You should include:

- Association of Home Appliance Manufacturers (AHAM)
- Association of Air Conditioning, Heating & Refrigeration Institute (AHRI)
- ACEEE
- ESource
- Alliance to Save Energy

Jennifer Barnes: Excellent ideas! Thank you.

Owen Howlett: It's Consortium for EE, not Coalition for EE. Have you talked to the RTF?

Jennifer Barnes: Yes, they have been a good friend to Cal TF and the source of many suggestions and insight.

Spencer Lipp: Lockheed may not be able to sign directly.

Technical Position Paper 9

Presenter: Ayad Al-Shaikh

Spencer Lipp: It's difficult to respond to that question because the RFAs haven't come out yet. We don't know what sectors or measures they are asking for so we don't know how to apply the deemed measures.

Owen: Until these measures are 8760 there is no point in SMUD using the eTRM because the measures we develop are more detailed. Because of SB350 we're working with the CEE on fungibility between gas and electric. If Cal TF can move faster than the CEC, that's of benefit because it will open a dialogue.



Gary Fernstrom: It's important that we get a handle on load shapes.

Jay Madden: Prioritize them by how much the measure is being used. Start with high impact first.

Ayad Al-Shaikh: Also, ones that used but more/most measures

Pierre Landry: What is the timing?

Ayad Al-Shaikh: Goal is by December have this TPP finalized. Won't seek affirmation like most of our TPPs because there will be many issues.