



CALIFORNIA

TECHNICAL FORUM

DRAFT
Business Plan
2019

To support the growth and success of energy efficiency and integrated demand-side management (IDSMD) through a technically rigorous, independent, transparent peer review of California energy efficiency values and other related technical information.

Disclaimer: The Cal TF Policy Advisory Council's (PAC) approval of this work plan does not constitute endorsement of ensuing technical work products by individual members or organizations

2019 Business Plan

Goal	Metrics	Tactics (Cal TF)	Tactics (Others)
<p>1. Complete eTRM Deemed Measure Upload [August 1, 2019] Statewide deemed measures uploaded into eTRM [and approved by ex ante review team]¹</p>	<p><u>Measures Uploaded and Approved by August 1, 2019:</u> Upload consolidated measures to the eTRM and complete QA/QC.</p> <p>Total = 159 Measures</p>	<p>Cal TF Staff will prepare consolidated measures for submission and deliver to IOU staff for upload to the CPUC's Workpaper Archive (WPA). The Cal TF Staff will:</p> <ul style="list-style-type: none"> • Complete savings comparison and CET analysis, as needed • Work with IOU Staff to integrate DEER 2019 and 2020 updates • Maintain harmonization for changing measures • Address Stage 1 issues • Categorize Stage 2 issues • Complete reference reviews • Address utility and Cal TF comments • Conduct final QC of submission packet <p>Cal TF Staff will publish statewide approved consolidated measures. To complete the measure upload of 2018 measures to eTRM, Cal TF Staff will:</p> <ul style="list-style-type: none"> • Upload data and text files • Upload reference library and link references to values they support • Conduct quality control to ensure accuracy of the uploaded measure <ul style="list-style-type: none"> ○ Confirm that the savings and cost inputs match ○ Confirm that the calculations are correct 	<p>The IOUs will:</p> <ul style="list-style-type: none"> • Work with Cal TF Staff to integrate 2019 and 2020 DEER updates. Any new modeling or significant measure alterations due to DEER updates are the responsibility of IOU Staff • Review and comment on the consolidated measures • Create the four ex ante tables needed to submit measures to the CPUC • Update the consolidated measures for the DEER 2019 and 2020 updates <p>CPUC will deliver the 2018 savings claims data for savings comparison on measures still requiring this analysis.</p> <p>The Ex Ante review team will review and approve all statewide consolidated measures by August 1, 2019.</p>

¹ NOTE: Cal TF Staff cannot control EAR Team approval schedule for statewide measures, but we will work with the utilities and CPUC Staff and consultants to achieve this collectively-established goal.

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		<ul style="list-style-type: none"> Validate the outputs (particularly the measure permutations created by the eTRM) 	
<p>2. Develop Stage 2 Issue Roadmap Prepare a roadmap for pursuing resolution of Stage 2 issues identified through the measure consolidation process</p>	<p><u>Stage 2 Roadmap Completed</u></p> <ul style="list-style-type: none"> Draft by January 31, 2019 Final by end of Q1, 2019 <p><u>Cal TF Completes Recommendations on Twelve (12) Stage II Issues</u> Cal TF develops proposed recommended solutions for at least 12 Stage II issues by end-of-year (Note: Current Stage II issue list contains 147 items. This list is updated regularly.)</p> <p>Stage II Issues = 147</p>	<p>Cal TF Staff will develop a roadmap for addressing the Stage 2 issues identified through the 2017 and 2018 measure consolidation process with input from IOUs, POU, CPUC Staff and EAR Consultants and CEC Staff. Roadmap development will involve the following:</p> <ul style="list-style-type: none"> Refine and prioritize the Stage 2 issues Identify subset of issues for Cal TF to pursue in 2019 Identify subset of issues that others would like to pursue in 2019, and track progress of issue resolution that for which others assume lead responsibility Form subcommittees and/or prepare Technical Position Paper(s) or position statements for Cal TF-led issues Cal TF-led Stage II issue count may include items listed on this business plan. <p>Cal TF Staff will present a Stage 2 roadmap for review and comment to:</p> <ul style="list-style-type: none"> IOUs & POU CPUC ED & EAR team CEC CEDMC and NAESCO Cal TF PAC 	<p>The following entities provide timely input on Stage II Roadmap, particularly how to prioritize issues and whether they would like to lead development and resolution of issue:</p> <ul style="list-style-type: none"> IOUs & POU CPUC ED & EAR team CEC CEDMC and NAESCO Cal TF PAC <p>For Cal TF-led Stage II issues, Cal TF members, on case-by-case basis, take leadership roles in researching and addressing specific Stage 2 issues for which they have expertise; either individually or by leading a subcommittee.</p> <p>CPUC Staff and Ex Ante Review Team will review, comment and affirm 2019 Stage 2 issues to address.</p> <p>CEC identifies which issues they are working on or plan to address in 2019 and identify any possible areas of overlap or duplication.</p> <p>“Issue resolution” leaders provide input to Cal TF Staff on progress of issue development/resolution so Cal TF Staff can track, and also agree to keep other interested stakeholders apprised of issue</p>

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		<p>Cal TF Staff will take lead in tracking progress on issue development and resolution.</p> <p>Cal TF Staff will update and categorize “Stage II” issue list.</p>	<p>development and solicit input from interested stakeholders.</p>
<p>3. Manage the eTRM</p>	<p><u>Complete 2019 eTRM Training Objectives</u></p> <ul style="list-style-type: none"> • Two trainings for IOU and POU staff completed as agreed upon with the IOUs/POUs • Conduct tailored training sessions as requested by CPUC ED and CEC staff • Issue feedback questionnaire to trainees within one (1) month of each training • Prepare a summary of the results within one (1) month of each questionnaire <p><u>eTRM Enhancements Identified and Prioritized and categorized into “Phase 3” and “Phase 4”</u></p> <ul style="list-style-type: none"> • End of Q1 2019 	<p>Cal TF Staff will support industry training on the eTRM through the following activities:</p> <ul style="list-style-type: none"> • Coordinate with the IOUs and POUs to determine their training needs and timing • Manage SBW’s development of training materials • Oversee SBW execution of the training • Evaluate the training activities by developing and administering an online questionnaire to all trainees and preparing a training evaluation summary memorandum. <p>Cal TF Staff will identify Phase 3 and 4 enhancements to the eTRM through the following activities:</p> <ul style="list-style-type: none"> • Develop a preliminary list of additional eTRM enhancements. This list shall include EAR Workflow, redlining, roles and permissions, 	<p>SBW will execute all aspects of the eTRM training, including:</p> <ul style="list-style-type: none"> • Develop training materials. • Establish neutral dates that work for CPUC and industry. • Secure training venues that are appropriate to the training format (i.e. online versus class room). • Publicize the trainings to the appropriate industry market actors. • Manage registration process and other logistics, such as participant inquiries. • Conduct the trainings. <p>Cal TF members and “core” eTRM organizations will provide ideas for and input on Phase 3 & 4 enhancements.</p>

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	<p><u>Stakeholder Feedback on eTRM Solicited/Documented:</u> In consultation with CPUC Staff, conduct broader stakeholder demonstrations of eTRM and solicit input and feedback on value of eTRM</p> <p><u>Administer eTRM</u></p> <ul style="list-style-type: none"> Ongoing 	<p>redline, integrating with CET and CEDARs</p> <ul style="list-style-type: none"> Circulate to Cal TF, IOUs/POUs and CPUC/CEC for input and additional items Establish priorities/scenarios. Estimate funding requirements for different scenarios Solicit funding from funders for enhancements that they approve <p>Cal TF will work with CPUC Staff to solicit and document feedback from potential California eTRM users (stakeholders) on value and potential use of eTRM</p> <p>Cal TF Staff will administer the eTRM through the following activities:</p> <ul style="list-style-type: none"> Manage user roles and permissions Develop guidelines, processes and requirements for various functions, as required Monitor and responding to user inquiries Monitor system performance and resolve issues 	<p>CPUC Staff provides Cal TF Staff with input on who staff would like to get feedback from and how they would like the feedback to be collected and documented.</p> <p>The eTRM web developer will complete bug fixes or required updates.</p>
<p>4. Develop eTRM Transition/Leveraging Plan</p>	<p><u>eTRM Work Plan Updated and Finalized (Q1 2019)</u></p>	<p>Cal TF Staff will solicit input from multiple organizations and prepare a transition plan that will 1) describe steps and timing for impacted organizations to be able to</p>	<p>The following organizations shall meet with Cal TF staff to identify opportunities for transitioning to and leveraging the eTRM:</p>

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	<p><u>eTRM Transition/Leveraging Plan ver. 1.0 Developed</u> (Q3 2019)</p>	<p>use the eTRM; 2) address whether regulatory approval is necessary for leveraging the eTRM as the industry repository for CPUC-approved deemed measures; 3) describe how eTRM can be used, leveraged or provide value to other California initiatives.</p> <p>Cal TF Staff will work with the CPUC ED Staff and Cal TF PAC to identify the path to eTRM adoption.</p>	<ul style="list-style-type: none"> • CPUC • CEC • CEDMC • CAEECC • NRDC • IOUs • POUUs • RENs
<p>5. Advance Statewide Consistent Approach to Energy Modeling</p>	<p><u>High-Level Principals Developed on Framework for Consistent CA Modeling Approach:</u> Guide the California energy efficiency and code-compliance community toward consensus on a consistent energy simulation modeling framework.</p> <p><u>Guidelines on When to Model Measures:</u> Create guidelines on the appropriate use of simulation modeling for measure savings</p>	<p>Cal TF Staff will continue to participate in CEC-led compliance software workshops to understand needs of California’s code compliance community and direction of code compliance software in California (i.e., which tools will be used).</p> <p>Cal TF Staff will consult with CA modeling experts (such as CEC, LBNL, EM&V consultants, independent contractors) on key needs and principles for a CA modeling framework.</p> <p>Cal TF Staff may host “Charette” to develop a high-level framework on consistent energy simulation modeling approaches between California’s code compliance, deemed savings calculations, and custom calculations.</p> <p>Cal TF Staff will work with Cal TF subcommittee to assess value of simulation versus engineering equations within context of:</p> <ul style="list-style-type: none"> • Accuracy of savings estimates, 	<p>CA industry professionals who use building simulation models will participate in meetings and will provide input to identify common goals and propose approaches to harmonizing modeling to:</p> <ul style="list-style-type: none"> • Reduce inefficiencies • Maintain or improve modeling rigor • Identify what constitutes sufficient evidence such that results of a new model are reliable for savings calculations • Achieve consistent documentation so results are transparent and can be reproduced and peer reviewed.

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	<p>versus other approaches such as meter-based savings or engineering calculations.</p>	<ul style="list-style-type: none"> • Ease of use • Savings calibration with EM&V findings. <p>Cal TF Staff will work with Cal TF subcommittee to identify and categorize measures based on appropriate estimation approach:</p> <ul style="list-style-type: none"> • Engineering equations, • Simulation Modeling, • Hybrid (Simulation Modeling to determine key parameters for use in subsequent engineering equations). <p>Cal TF Staff will provide input on modeling features that could benefit the eTRM to meet current needs and future needs such as:</p> <ul style="list-style-type: none"> • Analysis controller-type features, • Geotargeting, • Sensitivity analyses. 	
<p>6. Develop Recommendations to integrate Cal TF/eTRM with EM&V Planning Processes</p>	<p><u>eTRM - EM&V Integration Plan Developed</u></p> <ul style="list-style-type: none"> • October 31, 2019 	<p>Cal TF Staff will develop an EM&V integration plan that lays out a process through which the eTRM will “feed” and be informed by EM&V. To develop the EM&V Integration Plan, Cal TF Staff will undertake the following:</p> <ul style="list-style-type: none"> • Coordinate with the CPUC to identify a process to incorporate EM&V recommendations from the Cal TF/eTRM. The process shall: <ul style="list-style-type: none"> ○ Identify key milestones and dates relating to evaluation planning 	<p>Cal TF members will participate in working group to formulate recommendations.</p> <p>CPUC Staff and their EM&V Consultants will provide input and affirm recommendations on how to better integrate EM&V into deemed savings development and updating.</p> <p>CPUC Staff and EAR Team will advise and help guide embedded EM&V.</p>

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		<ul style="list-style-type: none"> ○ Lay out what information, format, and level of specificity needed ○ Identify substantive issues and data needs for the EM&V Integration Plan ● Work with the EAR Team to identify which measures should have “embedded EM&V” and start identifying with input from Cal TF and the EAR team what the embedded EM&V should include at a measure level. ● Conduct outreach to key evaluation staff of the utilities to identify how the utilities participate in the statewide EM&V planning as well as how they identify, prioritize, and budget for utility EM&V studies. ● Develop criteria for prioritizing the consolidated measures for inclusion in the EM&V Integration Plan. Cal TF Staff will then prioritize the measures and identify measure-level data needs for each of the prioritized measures. ● Develop recommendations to integrate Cal TF input for both CPUC and utility evaluation planning. 	
<p>7. Manage Statewide Deemed Measure List:</p> <p>Facilitate Statewide coordination of IOU workpapers and POU</p>	<p><u>SW Deemed Measure Updated and Posted Monthly</u></p> <ul style="list-style-type: none"> ● Ongoing 	<p>Statewide Measure list will be circulated monthly to IOUs and POUs for new measure additions and measure updates.</p> <p>Monthly teleconferences with designated IOU and POU leads to review new and</p>	<p>During monthly meetings, the IOU and POU workpaper coordinators will inform Cal TF staff and their IOU counterparts of measures under consideration, in development, and retired; as well as the status of measures in development.</p>

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measure revisions and additions.		updated measures and to coordinate to ensure all parties are aware of changes/additions and measure development meets statewide needs.	<p>Workpapers leads will ensure workpapers that are developed are statewide and include input from counterparts at other IOUs and POU's.</p> <p>PAs agree to use common measure development guidelines and QA/QC procedures so uniform product is submitted to CPUC and/or Cal TF.</p>
8. Manage the Cal TF and Cal TF PAC	<p><u>Ten (10) TF Meetings Held</u> and additional subcommittee meetings, as required.</p> <p><u>Four 4 PAC Meetings or Teleconferences Held</u></p> <p><u>RFQ Conducted</u> for new members (Q1 or Q2 2019)</p> <p><u>Cal TF Website/Materials Maintained and Updated:</u> Maintain Cal TF website and update Cal TF process documents, such as Operations Manual, to reflect current Cal TF practices.</p>	<p>To manage the TF, Cal TF Staff will:</p> <ul style="list-style-type: none"> • Prepare a calendar of TF meetings and locations • Secure meeting locations and arrange other logistics • Prepare and post meeting agendas and materials • manage TF meetings • Prepare and post meeting notes <p>To manage the Cal TF PAC, Cal TF Staff will:</p> <ul style="list-style-type: none"> • Schedule PAC meetings approximately quarterly, based on policy needs and activity. • Prepare meeting agendas and materials • Manages meetings • Prepare and circulate meeting notes <p>Cal TF Staff will maintain current data and information (including Cal TF process documents) on the Cal TF website.</p>	<p>Cal TF and PAC members will attend meetings.</p> <p>Cal TF and PAC members will prepare for meetings by reviewing materials in advance.</p>

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9. Develop the 2020 Cal TF Business Plan	<u>Cal TF 2020 Business Plan Developed</u> <ul style="list-style-type: none"> • Draft by October 15, 2019 • Final by the December 2019 PAC Meeting 	<p>Cal TF Staff will solicit comments on Cal TF 2019 Work Plan from TF, PAC, CPUC and CEC staff, and other stakeholders.</p> <p>Cal TF Staff will update the draft plan to reflect the stakeholder input.</p> <p>Cal TF Staff will develop a final Business Plan reflecting input for PAC review and approval in the December 2019 PAC meeting.</p>	<p>PAC, TF, CPUC Staff, and others will provide input on 2020 Cal TF Business Plan.</p> <p>PAC will affirm the Business Plan by December 2019.</p>