

# Cal TF Update 2022



**CALIFORNIA**  
TECHNICAL FORUM

**JULY 27, 2022**

*This meeting will be recorded.*

# Agenda – Afternoon Session

2

- Custom – Overview and Subcommittee Starting ([Arlis](#)) – 1 hour
- New Measure Process – List and Affirmation Process ([Ayad](#)) – 30 min

*This meeting will be recorded.*

# Cal TF Custom Solutions

- Cal TF Custom Solutions
  - 2022 Business Plan Goal 5
  - Standard methods, tools, and data requirements for “semi-deemed” measures
  - Standard custom measure nomenclature
  - Analysis of how existing eTRM tools could be used to standardize and streamline custom projects
- Project Goals
  - Reduce costs and time
  - Increase transparency, process efficiency, and consistency
  - Ensure work can be equally used and useful for POU and IOU custom projects
  - **More custom projects and savings!**

# Prior Cal TF Analysis

4

- Reviewed LADWP “Standard Custom” measures, tools and documentation requirements
  - Cal TF Staff memo on value of/approach to incorporating LADWP standard custom measures into eTRM
- Examined three approaches for adding custom measures into the eTRM
  - Cal TF interim memo on required eTRM modifications
- Reviewed recent analyses and processes used to improve Custom Process and Projects, and to identify ongoing challenges for IOU and 3P Custom Programs
  - Cal TF Staff Memo: Leveraging the eTRM for Custom Projects

# Cal TF Custom Roadmap

5

June  
8

PAC: Introduce  
concept

June  
21

PAC: Discuss  
eTRM capabilities  
and benefits  
TF: Introduce  
concept

July  
27

TF: Initiate  
Custom  
Committee

Aug  
8

PAC: Long term  
vision and  
roadmap

PAC and stakeholder input

# Cal TF Custom Roadmap

6

Statewide standard “semi-deemed” measures

Statewide standard custom measure nomenclature

eTRM options for Custom Measures

eTRM options for Custom Projects

eTRM options for CPR & CMPA

Other Cal TF and eTRM Improvements

# Custom Committee

7

- Custom Measures
  - Develop standard methods, tools, and data requirements for selected “semi-deemed” measures
- Custom Measure Nomenclature
  - Develop a set of statewide standard nomenclature for custom measures
- eTRM solutions
  - Provide input on incorporating custom measures into the eTRM
  - Provide input on additional eTRM solutions for custom projects, technical review workflow, and data management
- Scope will evolve as Cal TF Staff works with PAC and other stakeholders to define Custom Roadmap

# Custom Measures

- Selecting custom measures for standardization:
  - “Semi-deemed” measures
  - Common measures
  - Established savings estimation methods
  - Clear data and documentation requirements
  - Valuable for future savings

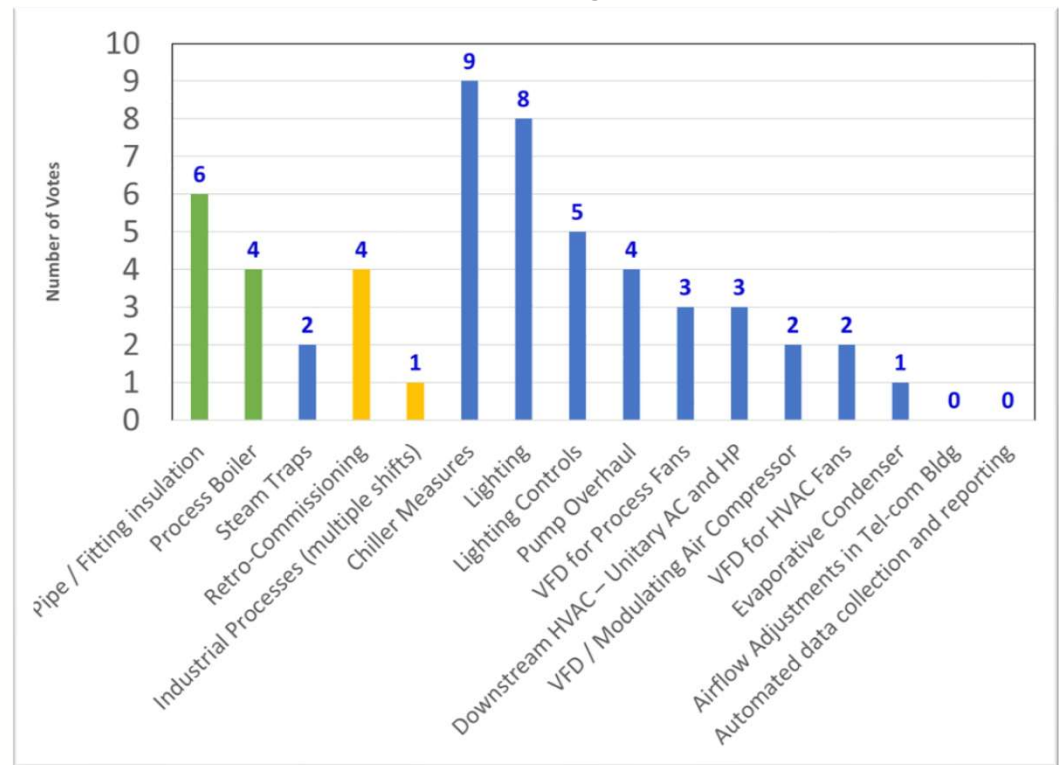


# Discuss: Custom Measures

9

- What custom measures are ideal for initial statewide standardization efforts?


Previous Input from Hybrid Committee




# eTRM Options for Custom Measure

Description	eTRM Modifications
<p>Alternative 1</p> <p>eTRM serves as a <b>repository for approved calculators</b>, allowing project implementers to access and download spreadsheet calculators for specific projects</p>	<p>None/minor modifications (e.g., new Custom Calculator Library)</p>
<p>Alternative 2</p> <p>Alternative 1 with <b>added capability to upload and store</b> completed calculator files</p>	<p>New development for accessibility (e.g., Upload button; and file access)</p> <p>PII/security enhancements</p>
<p>Alternative 3 = Leverage eTRM calculation abilities to <b>perform all savings calculations in the eTRM</b></p>	<p>Significant new development of capabilities</p>
<p>MLC Exploration: Calculate all permutations and expose only adopted permutations</p>	<p>In progress</p>

# Spotlight on the MLC

**RELEASE ASSIGNMENT**  *Felix Monterroso is assigned to this measure. If necessary, you may forcibly release that assignment.*


**DRAFT** Jul 14, 2022 3:03 PM  [Version History](#) | [Measure log](#)

## LED, Fixture and Lamp Replacement, Nonresidential (MLC)

**CHARACTERIZATION** | **DEPENDENCIES** | **SUPPORTING DATA** | **CALCULATIONS** | **PERMUTATIONS** | **SUBSCRIPTIONS**

### Measure Details

<b>STATEWIDE MEASURE ID</b> SWLG021	<b>SOURCE DESCRIPTION</b> SWLG021-draft
<b>MEASURE NAME</b> LED, Fixture and Lamp Replacement, Nonresidential (MLC)	<b>USE CATEGORY</b> LG - Lighting
<b>EFFECTIVE DATE</b> January 1, 2022	<b>PA LEAD</b> SCE


 SWLG021\_-\_Measure\_Package\_Plan... .zip  
ZIP / 337.1 MB

### Measure Package

The Measure Package includes: CSV files of parameters, value tables, permutation table and reference files, a PDF of the characterization, as well as the measure JSON file (JavaScript Object Notation, a text file format used for structured data).

**DOWNLOAD MEASURE**

Or you can download a PDF of the characterization only, separate from the full Measure Package.

 Characterization PDF

**CHARACTERIZATION** | **DEPENDENCIES** | **SUPPORTING DATA** | **CALCULATIONS** | **PERMUTATIONS** | **SUBSCRIPTIONS**

### Measure Parameters

Parameters are used to characterize individual measure permutations that qualify energy savings and (in some cases) costs.

**SECTOR**  
Com, Ind, Res

### Value tables

Value tables are used to assign specific numeric values to equations as well as to define values relevant to measure tracking and reporting.

**Offering ID**  
Measure Offerings

### Permutation Summary

The current configuration of 41 measure parameters and 386 active labels will produce 22,560,400,558,080 permutations.

This measure has 17 exclusion tables with 45,276 rules combined, which would reduce the total number of permutations to:

# Discuss: Past/Ongoing Efforts

12

- What past work should we be aware of, and are there any ongoing working groups to coordinate with?
  - Modified Lighting Calculator
  - Customized Calculated Savings Guidelines
  - CPUC Custom Guidance Documents
  - Statewide Custom Project Application (SW PA) Workbook
  - POU and PG&E Calculators
  - 
  -

# Discuss: General Questions/Input

13

- What other comments/questions come up?
  - 
  -

# Custom Committee

- Custom Measures
  - Develop standard methods, tools, and data requirements for selected “semi-deemed” measures
- Custom Measure Nomenclature
  - Develop a set of statewide standard nomenclature for custom measures
- eTRM solutions
  - Provide input on custom measures into the eTRM
  - Provide input on additional eTRM solutions for custom projects, technical review workflow, and data management

# Next Steps for Custom

15

- Email [arlis.reynolds@futee.biz](mailto:arlis.reynolds@futee.biz) to sign up for the Custom Committee
- Recommend non-TF members who would be valuable members for the Custom Committee
- Suggest custom measures for initial standardization work
- Share questions, topics, important considerations to the Custom Committee as it begins its work