

Hybrid Measures Subcommittee Meeting #4



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APRIL 9, 2020

Quick Updates

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- DropBox link will is here:
 - <https://www.dropbox.com/sh/83lh7cunc5lcg2n/AAByAZIjKdv2-SYV1SR2Oxh7a?dl=0>
 - This presentation is posted on the CalTF website.
- Next Cal TF Meeting will be on April 23th
 - I will update the group on our progress with Hybrid measures at that time.

Plan for Today

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- Plan for Today

- Review the concept of how a Hybrid measure will be documented and used
 - ✦ *This approach is just a strawman to get us to start thinking about if all needs are met*
- The “Process Boiler” measure will be examined as the first example to show how this will work
 - ✦ Note: Details for this measure are still drafty.
 - ✦ While all feedback is welcome, focus on whether measures are

Data Flow – Ensure Consistency (Strawman)

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Boiler, Process

Table of Contents

Technology Summary	Electric Savings (kWh)	Base Case Labor Cost (\$/Unit)
Measure Case Description	Peak Electric Demand Reduction (kW)	Measure Case Labor Cost (\$/Unit)
Base Case Description	Gas Savings (Therms)	Net-to-Gross
Code Requirements	Life Cycle	Gross Savings Installation Adjustment (GSIA)
Program Requirements	Base Case Material Cost (\$/Unit)	Non-Energy Impacts
Program Exclusions	Measure Case Material Cost (\$/Unit)	DEER Differences Analysis
Data Collection Requirements		

Technology Summary

A process boiler is a pressure vessel that transfer heat to water for manufacturing. In most boilers, a heat exchanger separates the combustion products from the water. Boilers can be configured as an integrated packaged boiler, or, in some cases, the boiler (which may resemble an instantaneous water heater) may be connected to a



Project Feasibility Study

Customer Name
Address Street
City, CA 92867

Project Title – Project #

Prepared by:
Implementer/Developer Name
Address City, CA 95403
Primary Contact Name
Email
Phone: XXX-XXX-XXXX

Project Feasibility Study



Post-Installation Report

Customer Name
Address Street
City, CA 92867

Project Title – Project #

Prepared by:
Implementer/Developer Name
Address City, CA 95403
Primary Contact Name
Email
Phone: XXX-XXX-XXXX

Post-Installation Report

- Measure describe in eTRM
- Statewide report templates generated / downloaded
- Question: What is the best / correct way to handle multiple measures?

Hybrid Measure Reports

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- Goal: Considering the Process Boiler Measure, how do we “*optimize*” the amount of Site-Specific data
 - Project Feasibility Report
 - ✦ **Green** Text – Site Specific
 - As the Applicant to complete this section; instructions can be altered to make them more specific to this measure
 - Text may be templated to make sure that data received is what is needed, without asking for more
 - ✦ **Blue** Text – Pre-populated Data
 - Data comes directly from agreed upon values
 - Some information is dependent upon other choices (for example, Measure Application Type impacts cost analysis)

Back-up Slides

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