

Cal TF and ESA Program Coordination

Cal TF Meeting

June 22, 2017

Background

- Energy Savings Assistance (ESA) programs for low income customers
- D.16-11-022 requires coordination with Cal TF:
"We direct the IOUs to coordinate with the California Technical forum to recommend prospective savings values and revisions to its EM&V methodologies for the low-income program." (p. 398)
- No timeline established
- Workpapers are specifically required for two measures
For thermostatic tub spouts, "The IOUs are directed to file workpapers to substantiate manufacturer savings claims per Commission rules, any workpapers submitted for measures in the ESA Program are subject to the same review and approval requirements as workpapers submitted in the mainstream energy efficiency portfolio." (OP 30 p. 453)
"We clarify that any Tier II Power strip should be in an appropriate setting and use existing workpaper process to establish performance baseline" (p. 398)

Current Practice

- Savings documented in internal “WPs” or program spreadsheets
- Baselines and delivery methods often different from those in mainstream WPs
- Administrative costs of WPs not included in program plans

Strategic Priorities

- Minimize administrative burden and introduction of volatility/complexity into program
- Explore real-time feedback evaluation feedbacks
 - Example <http://www.caltrack.org/caltrack.html>
- Explore alternative methods
- Explore technical studies of low income market
 - RASS does not currently address separately

Measure List

Measure	PG&E			SDG&E			SCE			SCG		
	SF	MF	MH	SF	MF	MH	SF	MF	MH	SF	MF	MH
HVAC												
Gas Furnace Repair/Replace	√	√	√	√	√	√				√	√	√
HE-FAU Repair/Replace										√	√	√
Forced Air Unit Standing Pilot Light Conversion				√	√	√				√	√	√
Room A/C Replacement	√			√	√	√	√	√	√			
Central A/C Replacement	√						√	√	√			
Heat Pump							√	√	√			
AC Time Delay	√	√	√									
Efficient Fan Controller												
Duct Sealing	√		√	√		√				√		√
Prescriptive Duct Sealing				√		√				√		√
Evaporative Coolers	√		√				√		√			
Maintenance												
Furnace Clean & Tune				√	√	√				√	√	√
Central A/C Tune-up/Services	√	√	√	√	√	√	√	√	√			
Enclosure												
Envelope/Air Sealing Measures	√	√	√	√	√	√	√	√	√	√	√	√
Attic Insulation	√	√		√	√		√	√	√	√	√	
Minor Home Repairs	√	√	√	√	√	√	√	√	√	√	√	√
Domestic Hot Water												
Faucet Aerators	√	√	√	√	√	√	√	√	√	√	√	√
Low-Flow Showerhead	√	√	√	√	√	√	√	√	√	√	√	√
Gas Water Heater Repair/Replacement	√	√	√	√	√	√				√	√	√
Heat Pump Water Heater				√	√ ⁵	√						
Water Heater Blanket	√	√	√	√	√	√	√	√	√	√	√ ⁵	√
Water Heater Pipe Insulation	√	√	√	√	√	√	√	√	√	√	√ ⁵	√
Thermostatic Shower Valve	√	√	√	√	√	√				√	√	√

Measure List (Cont)

Measure	PG&E			SDG&E			SCE			SCG		
	SF	MF	MH	SF	MF	MH	SF	MF	MH	SF	MF	MH
Lighting Measures ⁷												
CFL Lighting	√	√	√	√	√	√	√	√	√			
<i>Interior</i> Hard-wired CFL Fixtures	√	√	√	√	√	√						
<i>Exterior</i> Hard wired CFL Fixtures	√	√	√	√			√					
CFL Torchieres	√	√	√	√	√	√	√	√	√			
Vacancy Sensors	√	√	√									
LED Bulbs	√	√	√	√	√	√	√	√	√			
<i>Interior</i> LED Fixtures	√	√	√									
<i>Exterior</i> LED Fixtures	√	√	√				√					
LED Torchieres	√	√	√				√	√	√			
LED Night Light				√	√	√						
Appliances												
Refrigerators	√	√	√	√	√	√	√	√	√			
High Efficiency Clothes Washer				√	√	√				√	√	√
Microwave Ovens	√	√	√	√	√	√						
Miscellaneous												
Pool Pumps							√					
Tier 1 Smart Power Strips	√	√	√	√	√	√	√	√	√			
Tier 2 Advanced Power Strips	√	√	√	√	√	√	√	√	√			

Potential New Measures

- Toilet Efficiency Kit- master fill cycle diverter, toilet tank water displacement device, and leak detection tablets
- Thermostatic Tub Spout
- 2nd refrigerator replacement
- LED downlight retrofit Kit
- Freezer replacement

Proposed Timeline / Path Forward

- Q1 – raised WP question with Ex Ante team.
After check with PUC program leads, no clear direction to move forward at this time.
- Q2 – Begin discussion with Cal TF
- Q3 – Discuss compliance with CPUC staff

Ask to Cal TF / Next Steps

- Form Cal TF subcommittee
 - EM&V issues
 - Explore methods for specify savings values
- Consult with staff
 - ID staff and establish expectations
 - Define scope, deliverables, and timeline for action
 - WPs for select measures
 - If broader set of WPs desired, push to post-eTRM