CPUC ExAnte Review (EAR) Team

Monthly Workpaper Archive (WPA) Activity Status

DATE: 4/3/2018

FROM: EAR Team

TO: SCE, SDGE, SCG, PGE

# Introduction:

The following report and attached excel workbook summarizes WPA activity for the month of March 2019 which includes dispositions that were issued, dispositions in progress, and workpapers considered for future review. This report will be posted on <https://deeresources.info/> and <http://www.deeresources.com/> within one week after the last day of the month.

# Legend:

|  |  |
| --- | --- |
| **Item** | **Description** |
| PA | Program Administrator |
| Rev | Revision Number |

# Dispositions Issued:

The following dispositions have been issued by the EAR Team, see attached workbook:

| **PA** | **Workpaper ID** | **Rev** | **Title** | **Effective Year** | **Disposition Date** | **CPUC Action** |
| --- | --- | --- | --- | --- | --- | --- |
| PGE | PGE3PHVC151 | 5 | Economizer Repair | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGE3PHVC152 | 6 | Economizer Controls | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGE3PHVC156 | 4 | Condenser Coil Cleaning | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGE3PHVC157 | 4 | Unocc Supply Fan Control | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGE3PHVC158 | 4 | EvapCoilCleaning | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGE3PHVC160 | 4 | Refrigerant Charge Adjustment | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGECOAGR111 | 7 | Sprinkler to Drip Irrigation | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGECODHW125 | 7 | Showerheads and Aerators | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGECOHVC143 | 3 | Enhanced Ventilation for Packaged HVAC Units with Gas Heating and Packaged Heat Pumps | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGECOHVC168 | 2 | Demand Controlled Ventilation Packaged HVAC | 2019 | 3/18/2019 | Interim Approval |
| PGE | PGECOLTG163 | 8 | LED Candelabra | 2019 | 3/26/2019 | Interim Approval |
| PGE | PGECOLTG164 | 8 | LED Globe Lamps | 2019 | 3/26/2019 | Interim Approval |
| PGE | PGECOLTG177 | 7 | LED BR-R Lamps | 2019 | 3/26/2019 | Interim Approval |
| PGE | PGECOREF108 | 8 | Anti-Sweat Heat (ASH) Controls | 2019 | 3/11/2019 | Interim Approval |
| PGE | PGECOPRO114 | 0 | Commercial Steam Traps | 2019 | 3/18/2019 | Interim Approval |
| SCE | PGE3PHVC151 | 2 | Economizer Repair | 2019 | 3/11/2019 | Interim Approval |
| SCE | PGE3PHVC152 | 2 | Economizer Control | 2019 | 3/11/2019 | Interim Approval |
| SCE | PGE3PHVC156 | 2 | Condenser Coil Cleaning 2019 | 2019 | 3/11/2019 | Interim Approval |
| SCE | PGE3PHVC157 | 2 | Unoccupied Supply Fan Control 2019 | 2019 | 3/11/2019 | Interim Approval |
| SCE | PGE3PHVC158 | 2 | Evaporator Coil Cleaning 2019 | 2019 | 3/11/2019 | Interim Approval |
| SCE | PGE3PHVC160 | 2 | Refrigerant Charge Adjustment 2019 | 2019 | 3/11/2019 | Interim Approval |
| SCE | SCE17CC012 | 1 | Commercial Electric Deck Oven | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17CC018 | 0 | Undercounter Commercial Dishwasher | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17CS005 | 1 | Beverage Merchandise Controller | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC007 | 1 | High Efficiency PTACHP 24kBtuh | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC013 | 1 | Direct Evaporative Coolers | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC028 | 1 | BFM ResCentralAC | 2019 | 3/22/2019 | Interim Approval |
| SCE | SCE17HC029 | 3 | Residential HVAC Quality Maintenance (QM) | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC039 | 2 | VFD CentralPlant | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC045 | 0 | Enhanced Ventilation and VFD 2019 | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC052 | 0 | Efficient Fan Controller for Res AC | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17HC060 | 1 | Classroom HVAC Occupancy Sensor Final | 2019 | 3/11/2019 | Interim Approval |
| SCE | SCE17HC061 | 1 | Demand Controlled Ventilation 2019 | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17LG103 | 2 | Interior LED Downlight Fixtures | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG109 | 2 | Exterior LED Lamp Replacement | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG117 | 1 | LED Tubes | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG119 | 1 | LED Residential Exterior Fixtures | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG129 | 2 | LED Candelabra Replacements | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG130 | 2 | LED globe: <3 Watts | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17LG131 | 3 | LED R-BR: <11 Watts | 2019 | 3/26/2019 | Interim Approval |
| SCE | SCE17PR005 | 1 | Air Compressor VFD | 2019 | 3/18/2019 | Interim Approval |
| SCE | SCE17RN003 | 2 | Insulation of Bare Refrigeration Suction Lines | 2019 | 3/11/2019 | Interim Approval |
| SCE | SCE17WP004 | 2 | Faucet Aerators and Low Flow Showerheads | 2019 | 3/11/2019 | Interim Approval |
| SCE | SCE17WP008 | 2 | Com VS Pool Pump | 2019 | 3/18/2019 | Interim Approval |
| SCG | SCGWP100310A | 10 | Deemed Program for Commercial Steam Traps | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGNRCC180529A | 0 | Undercounter Dishwasher | 2019 | 3/26/2019 | Interim Approval |
| SCG | WPSCGNRCC180705A | 0 | Commercial Underfired Broilers | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGNRHC180524A | 0 | Commercial Condensing Gas Furnace | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGNRWH120206A | 11 | Non-Res Storage Water Heater | 2019 | 3/11/2019 | Interim Approval |
| SCG | WPSCGNRWH120206B | 8 | Non-Res Tankless Water Heater | 2019 | 3/11/2019 | Interim Approval |
| SCG | WPSCGNRWH121113A | 4 | Low Flow Pre Rinse Spray Valves | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGREAP090718A | 0 | Residential Ozone Laundry Retrofit | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGREHC180723A | 0 | Intermittent Pilot Light | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGREHC181220A | 0 | Gas Fireplace | 2019 | 3/18/2019 | Interim Approval |
| SCG | WPSCGREWH120919A | 5 | Tankless Water Heaters | 2019 | 3/11/2019 | Interim Approval |
| SCG | WPSCGREWH180207A | 1 | Residential Small Storage Water Heaters | 2019 | 3/11/2019 | Interim Approval |
| SCG | WPSCGREWH180305A | 0 | MF Central boiler dual setpoint temp controller | 2019 | 3/26/2019 | Interim Approval |
| SCG | WPSCGWP110812A | 5 | Pipe Insulation | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGENRAG0001 | 2 | Sprinkler to Drip Irrigation | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGENRAG0003 | 0 | Agricultural Greenhouse Thermal Curtains | 2019 | 3/26/2019 | Interim Approval |
| SDGE | WPSDGENRHC0022 | 2 | Com Refrigerant Charge | 2019 | 3/22/2019 | Interim Approval |
| SDGE | WPSDGENRHC1010 | 2 | Com Evap Coil Cleaning | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGENRHC1020 | 4 | Commercial Cond Coil Cleaning | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGENRWH1205B | 0 | Non-Res Storage WH (>75kBTU/h) | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGEREHC0024 | 3 | Res Fan Delay Controller | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGEREHC0032 | 2 | Res HVAC Quality Maintenance | 2019 | 3/22/2019 | Interim Approval |
| SDGE | WPSDGEREHC1065 | 4 | Res Brushless Fan Motor | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGEREWH0022 | 3 | Residential Heat Pump Water Heater | 2019 | 3/11/2019 | Interim Approval |
| SDGE | WPSDGEREWH0024 | 2 | StorageTank WH | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGEREWH0025 | 2 | Res High Efficiency Instantaneous Water Heater | 2019 | 3/18/2019 | Interim Approval |
| SDGE | WPSDGEREWH1012 | 2.1 | Faucet Aerators for Bathroom and Kitchen Sinks in Res Bldg | 2019 | 3/18/2019 | Interim Approval |

# Dispositions in Progress:

The following dispositions are in progress, see attached workbook:

| **PA** | **Workpaper ID** | **Rev** | **Title** | **Effective Year** | **Disposition Due Date** | **CPUC Action** |
| --- | --- | --- | --- | --- | --- | --- |
| SCE | SCE17HC054 | 1 | Residential Smart Communicating Thermostat | 2018 | TBD | TBD |
| PGE | PGECOLTG151 | 9 | LED Outdoor Lighting | 2018 | TBD | TBD |
| PGE | PGECOLTG178 | 4 | LED HighLowBay | 2018 | TBD | TBD |
| PGE | PGECOLTG179 | 6 | LED Ambient Com Fixt | 2018 | TBD | TBD |
| PGE | SWAP001 | 1 | Refrigerators and Freezers, Residential | 2020 | TBD | TBD |
| PGE | SWAP003 | 1 | Clothes Dryer, Residential | 2020 | TBD | TBD |
| PGE | SWAP004 | 1 | Clothes Washer, Residential | 2020 | TBD | TBD |
| PGE | SWAP007 | 1 | Room Air Conditioner | 2020 | TBD | TBD |
| PGE | SWAP008 | 1 | Room Air Cleaner | 2020 | TBD | TBD |
| PGE | SWCR018 | 1 | Comm Reach-in Refrigerator or Freezer | 2020 | TBD | TBD |
| PGE | SWWH005 | 1 | Boiler, Commercial | 2020 | TBD | TBD |
| PGE | SWWH008 | 1 | Process Boiler | 2020 | TBD | TBD |
| PGE | SWWH011 | 1 | Central Storage Water Heater, Multifamily | 2020 | TBD | TBD |
| PGE | SWWH022 | 1 | Smart Pump, Residential | 2020 | TBD | TBD |
| SCE | SWAP011 | 1 | Vending and Beverage Merchandise Controller | 2020 | TBD | TBD |
| SCE | SWCR010 | 1 | Bare Suction Pipe Insulation | 2020 | TBD | TBD |
| SCE | SWFS012 | 1 | Exhaust Hood DCV | 2020 | TBD | TBD |
| SCE | SWWH014 | 1 | Heat Pump Water Heater | 2020 | TBD | TBD |
| SCG | SWAP005 | 1 | Ozone Laundry, Nonresidential | 2020 | TBD | TBD |
| SCG | SWAP006 | 1 | Dishwasher, Residential | 2020 | TBD | TBD |
| SCG | SWFS013 | 1 | Low-flow Pre-rinse Spray Valve | 2020 | TBD | TBD |
| SCG | SWWH001 | 1 | Faucet Aerator | 2020 | TBD | TBD |
| SCG | SWWH002 | 1 | Low-flow Showerhead, Residential | 2020 | TBD | TBD |
| SCG | SWWH003 | 1 | TSV with and without a Low-Flow Showerhead | 2020 | TBD | TBD |
| SCG | SWWH004 | 1 | Laminar Flow Restrictor, Commercial | 2020 | TBD | TBD |
| SCG | SWWH006 | 1 | Tankless Water Heater, Commercial | 2020 | TBD | TBD |
| SCG | SWWH007 | 1 | Storage Water Heater, Commercial | 2020 | TBD | TBD |
| SCG | SWWH010 | 1 | Boiler, Multifamily | 2020 | TBD | TBD |
| SCG | SWWH012 | 1 | Storage Water Heater, Residential | 2020 | TBD | TBD |
| SCG | SWWH013 | 1 | Tankless Water Heater, Residential | 2020 | TBD | TBD |
| SCG | SWWH015 | 1 | Recirculation Pump Control, Multifamily | 2020 | TBD | TBD |
| SCG | SWWH016 | 1 | DHW Loop Temp Controller | 2020 | TBD | TBD |
| SCG | SWWH017 | 1 | Hot Water Pipe Insulation, Nonresidential | 2020 | TBD | TBD |
| SCG | SWWH018 | 1 | Hot Water Tank Insulation, Nonresidential | 2020 | TBD | TBD |
| SCG | SWWH019 | 1 | Faucet Aerator, Commercial | 2020 | TBD | TBD |
| SCG | SWWH020 | 1 | Low-flow Showerhead, Commercial | 2020 | TBD | TBD |
| SCG | SWWH021 | 1 | Recirculation Pump Timer, Commercial | 2020 | TBD | TBD |
| SCG | SWWH023 | 1 | Tub Spout Diverter, Residential | 2020 | TBD | TBD |

# Workpapers in development or under consideration for future review:

The following workpapers are in development or are being considered for future medium or high rigor review, see attached workbook. This table is subject to change.

| **PA** | **Workpaper ID** | **Rev** | **Title** | **Effective Year** | **Expected Submission Date** | **Status** |
| --- | --- | --- | --- | --- | --- | --- |
| SCE/SCG | SWFS011 | 1 | Comm Fryer | 2020 | 10/1/2019 | WPP |
| SCE/SCG | SWFS001 | 1 | Comm Conv Oven | 2020 | 10/1/2019 | WPP |
| SCE/SCG | SWFS007 | 1 | Hot Food Holding Cab | 2020 | 10/1/2019 | WPP |
| SCE/SCG | SWFS005 | 1 | Comm Steamers | 2020 | 10/1/2019 | WPP |
| SCE/SCG | SWFS014 | 1 | Comm Rack Oven | 2020 | 10/1/2019 | WPP |
| SCG | SWWH017 | 1 | Pipe insulation, hot application | 2020 | 3/1/2019 | Consider for medium rigor |
| PGE | SWWH008 | 1 | Process Boiler | 2020 | 4/1/2019 | Consider for medium rigor |
| TBD | SWWP004 | 1 | Greenhouse curtains | 2020 | 5/1/2019 | Consider for medium rigor |
| SDGE | TBD | 0 | Phase Change Material, Freezer | TBD | TBD | WPP submitted |
| SCE | SCEXXHC071-01 | 0 | RTU VFD Compressor | TBD | TBD | WPP submitted |
| SCE | SCEXXHC069-01 | 0 | RTU Condenser precooler | TBD | TBD | WPP submitted |
| SCE | SCEXXHC070-01 | 0 | Software controlled SRM | TBD | TBD | WPP submitted |
| TBD | Statewide ID |  | Programmable Thermostats | 2020 | 6/1/2019 | Consider for medium rigor |
| SCE | SWHC004 | 1 | Water-Cooled Chillers | 2020 | 6/1/2019 | Consider for medium rigor |
| SCE | SWHC020 | 1 | Air-Cooled Packaged Chiller | 2020 | 6/1/2019 | Consider for medium rigor |
| TBD | SWHC021 | 1 | Variable Speed Drive on HVAC Fan Control | 2020 | 6/1/2019 | Consider for medium rigor |
| TBD | Statewide ID |  | Multi-Speed Unitary Air Conditioner (All) | 2020 | TBD | New measure |
| PGE | SWPR001 | 1 | Agriculture Process Fan VFD | 2020 | 4/1/2019 | New measure |
| TBD | SWLG002 | 1 | LED, MR-16 | 2020 | TBD | DEER update or WP |
| SCE | SWLG003 | 1 | LED, PAR20, 30, 38, | 2020 | 5/1/2019 | DEER update or WP |
| SCE | SWLG008 | 1 | LED, R-BR | 2020 | 5/1/2019 | DEER update or WP |
| PGE | SWLG012 | 1 | LED, Troffer Retrofit Kit | 2020 | 5/1/2019 | DEER update or WP |
| SCE | SWLG009 | 1 | LED, Tubes | 2020 | 5/1/2019 | DEER update or WP |
| PGE | SWLG011 | 1 | LED, High and Low Bay Fixtures | 2020 | 5/1/2019 | DEER update or WP |
| SCE | SWLG001 | 1 | LED, Interior Downlight | 2020 | 5/1/2019 | DEER update or WP |
| TBD | SWLG007 | 1 | LED, Recessed Downlight | 2020 | TBD | DEER update or WP |
| TBD | SWLG006 | 1 | LED, A-Lamp | 2020 | 5/1/2019 | DEER update or WP |
| SCG | SWRE001 | 1 | Comm Pool Covers | 2020 | 4/1/2019 | Consider for medium rigor |
| PGE | TBD |  | Refrig case doors with lights | 2020 | TBD | New measure |
| TBD | SWCR001 | 1 | Anti-sweat heaters | 2020 | TBD | Consider for medium rigor |
| TBD | TBD | 1 | Case doors | 2020 | TBD | Consider for medium rigor |

