

Residential (MF) EE Contract (No: CW2255789)



Approved Measures as of 29 Oct 2021

| Measure Code | Measure ID | MeasDescription | Measure Approach* | Workpaper Number and Version |
|--------------|------------|--|-------------------|------------------------------|
| AC-10166 | AC-10166 | Optimize supply fan VFD - retrocommissioning | Custom | N/A |
| AC-19642 | AC-19642 | "Optimize carbon dioxide (CO2) demand control ventilation - retrocommissioning" | Custom | N/A |
| AC-19789 | AC-19789 | Economizer - air side - add-on equipment | Custom | N/A |
| AC-19790 | AC-19790 | HVAC occupancy sensor - add-on equipment | Custom | N/A |
| AC-19792 | AC-19792 | Indirect evaporative cooling - dual stage - add-on equipment | Custom | N/A |
| AC-19793 | AC-19793 | Condenser fan - VFD - add-on equipment | Custom | N/A |
| AC-19794 | AC-19794 | HVAC occupancy sensor thermostat - add-on equipment | Custom | N/A |
| AC-19795 | AC-19795 | "Exhaust fan VFD controls for CO DCV in enclosed parking structures - add-on equipment" | Custom | N/A |
| AC-20510 | SWHC029A | Residential central HVAC system with an evaporator fan controller based on a manual prescribed time or using a built-in logic to delay the evaporator fan cycle off time. The built-in control logic is based on equipment (compressor and fan) operation and cycling to improve HVAC system efficiency. | Deemed | SWHC029-01 |
| AC-21061 | AC-21061 | "Optimize HVAC system high volume low speed circulation fans - operational" | Custom | N/A |

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| AC-21478 | AC-21478 | Insulating cool air ducts - add-on equipment | Custom | N/A |
| AC-21480 | AC-21480 | Insulating refrigerant pipes - add-on equipment | Custom | N/A |
| AC-21481 | AC-21481 | Insulating condenser water pipes - add-on equipment | Custom | N/A |
| AC-21818 | AC-21818 | Supply fan software-controlled switch reluctance motor > 3 HP - accelerated replacement ¹ | Custom | N/A |
| AC-24456 | AC-24456 | Optimize return fan VFD - retrocommissioning | Custom | N/A |
| AC-27534 | AC-27534 | Optimize fan static pressure controls - retrocommissioning | Custom | N/A |
| AC-28476 | AC-28476 | Optimize exhaust fan VFD - retrocommissioning | Custom | N/A |
| AC-32109 | AC-32109 | Improved chiller sequencing - retrocommissioning | Custom | N/A |
| AC-32882 | AC-32882 | Direct evaporative pre-cooler for condensing units - add-on equipment | Custom | N/A |
| AC-34264 | AC-34264 | Energy efficient fan blade retrofits - accelerated replacement ¹ | Custom | N/A |
| AC-35444 | AC-35444 | HVAC Time Clock Control - add-on equipment | Custom | N/A |
| AC-37684 | AC-37684 | Optimize VAV box flow - retrocommissioning | Custom | N/A |
| AC-38143 | AC-38143 | HVAC control loop tuning - retrocommissioning | Custom | N/A |
| AC-39548 | AC-39548 | Variable speed chiller plant optimization - retrocommissioning | Custom | N/A |
| AC-43654 | AC-43654 | HVAC zone control - add-on equipment | Custom | N/A |
| AC-48273 | AC-48273 | Optimize chiller water compressor VFD - retrocommissioning | Custom | N/A |
| AC-48587 | AC-48587 | Optimize zone set-up and setback - retrocommissioning | Custom | N/A |

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| AC-48675 | AC-48675 | Optimize exhaust fan schedule - retrocommissioning | Custom | N/A |
| AC-56476 | AC-56476 | Optimize return fan schedule - retrocommissioning | Custom | N/A |
| AC-56832 | AC-56832 | Economizer – Split DX System with VAV controls - Add-on Equipment | Custom | N/A |
| AC-57213 | AC-57213 | Optimize HVAC boiler sequencing - retrocommissioning | Custom | N/A |
| AC-59870 | AC-59870 | Optimize space static pressure controls - retrocommissioning | Custom | N/A |
| AC-65342 | AC-65342 | Optimize HVAC boiler schedule - retrocommissioning | Custom | N/A |
| AC-68273 | SWHC038A | Central brushless fan motors (BFM or DC Motor) | Deemed | SWHC038-01 |
| AC-68473 | AC-68473 | Economizer - water side - add-on equipment1 | Custom | N/A |
| AC-69858 | AC-69858 | Hot water pump motor - VFD - add-on equipment | Custom | N/A |
| AC-70772 | AC-70772 | Evaporative precoolers - add-on equipment | Custom | N/A |
| AC-74984 | AC-74984 | Condenser water pump motor - VFD - add-on equipment | Custom | N/A |
| AC-78325 | AC-78325 | Optimize air handler controls - retrocommissioning | Custom | N/A |
| AC-78487 | AC-78487 | Economized cooling using fluid coolers | Custom | N/A |
| AC-78722 | AC-78722 | Ventilation fan - VFD - add-on equipment | Custom | N/A |
| AC-79531 | AC-79531 | HVAC compressor controls | Custom | N/A |
| AC-86734 | AC-86734 | Optimize fan static pressure reset - retrocommissioning | Custom | N/A |
| AC-89556 | AC-89556 | Optimize HVAC chiller plant schedule - retrocommissioning | Custom | N/A |
| AC-89657 | AC-89657 | Optimize hot water reset - retrocommissioning | Custom | N/A |

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| AC-90217 | AC-90217 | Optimize HVAC condenser water or cooling tower pump sequencing - retrocommissioning | Custom | N/A |
| AC-90765 | AC-90765 | Optimize outdoor air intake - retrocommissioning | Custom | N/A |
| AC-94699 | SWSV009A | Air Flow Adjustment | Deemed | SWSV009-01 |
| AC-96037 | AC-96037 | Ventilation thermostat controls - add-on equipment | Custom | N/A |
| AC-98234 | AC-98234 | Optimize HVAC condenser water or cooling tower fan schedule - retrocommissioning | Custom | N/A |
| AC-98504 | AC-98504 | Optimize hot water pump VFD - retrocommissioning | Custom | N/A |
| BE-19812 | BE-19812 | Window film - weatherization | Custom | N/A |
| BE-60912 | BE-60912 | Building shell improvements - weatherization1 | Custom | N/A |
| BE-78594 | BE-78594 | Efficient windows - weatherization | Custom | N/A |
| LT-11966 | SWLG009C | LED T8 Lamp UL Type A 4 foot (Common Area) | Deemed | SWLG009-02 |
| LT-19146 | SWLG009D | LED T8 Lamp UL Type A 4 foot (Dwelling Area) | Deemed | SWLG009-02 |
| LT-21838 | SWLG018C | Efficient 4-foot UL Type B LED T8 Lamp, Common Area, AR | Deemed | SWLG018-01 |
| LT-21839 | SWLG018D | Efficient 4-foot UL Type B LED T8 Lamp, Dwelling Area, AR | Deemed | SWLG018-01 |
| LT-21855 | SWLG018S | Efficient 4-foot UL Type B LED T8 Lamp, Common Area, NR | Deemed | SWLG018-01 |
| LT-21856 | SWLG018T | Efficient 4-foot UL Type B LED T8 Lamp, Dwelling Area, NR | Deemed | SWLG018-01 |
| LT-23876 | LT-23876 | Optimize lighting occupancy sensors - retrocommissioning | Custom | N/A |
| LT-36754 | LT-36754 | Optimize daylighting controls - retrocommissioning | Custom | N/A |
| MT-28473 | MT-28473 | Motor cycling controls - add-on equipment | Custom | N/A |
| MT-41009 | MT-41009 | Optimize non-process motor VFD - retrocommissioning | Custom | N/A |

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| MT-50941 | MT-50941 | Constant speed variable load motor controller - add-on equipment | Custom | N/A |
| MT-65483 | MT-65483 | Motor generator set replacements (ineligible for hotel industry) | Custom | N/A |
| MT-79578 | MT-79578 | Direct drive motor | Custom | N/A |
| PM-11099 | PM-11099 | Chilled water pump optimization flow configuration | Custom | N/A |
| PM-15246 | PM-15246 | Optimize pump timer controls - retrocommissioning | Custom | N/A |
| PM-15662 | PM-15662 | Optimize chilled water pump sequencing - retrocommissioning | Custom | N/A |
| PM-16109 | PM-16109 | Pump controls | Custom | N/A |
| PM-19776 | PM-19776 | Trim pump impeller - retrocommissioning | Custom | N/A |
| PM-19854 | PM-19854 | Optimize chilled water pump schedule - retrocommissioning | Custom | N/A |
| PM-20996 | SWWH015A | DHW Pump Demand Control, Gas, MF, 5 Units | Deemed | SWWH015-02 |
| PM-21403 | PM-21403 | VFD and controls added to hydraulic power unit - add-on-equipment | Custom | N/A |
| PM-23156 | PM-23156 | Optimize hot water pump schedule - retrocommissioning | Custom | N/A |
| PM-28579 | PM-28579 | "Optimize water pump level control system - retrocommissioning" | Custom | N/A |
| PM-29644 | PM-29644 | Optimize fluid flow system - retrocommissioning | Custom | N/A |
| PM-30194 | PM-30194 | "Optimize chilled water pump configuration - retrocommissioning" | Custom | N/A |
| PM-35845 | PM-35845 | Fluid pump - VFD - add-on equipment1 | Custom | N/A |
| PM-39807 | PM-39807 | "Optimize condenser water pump schedule - retrocommissioning" | Custom | N/A |

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| PM-42142 | PM-42142 | SCADA system - add-on equipment | Custom | N/A |
| PM-46398 | PM-46398 | Condenser water pump optimization flow configuration | Custom | N/A |
| PM-50934 | PM-50934 | Optimize condenser water pump VFD - retrocommissioning | Custom | N/A |
| PM-58371 | PM-58371 | Optimize pump discharge valve - retrocommissioning | Custom | N/A |
| PM-58473 | PM-58473 | "Chilled water pump constant flow to variable flow conversion - accelerated replacement" | Custom | N/A |
| PM-60798 | PM-60798 | "Optimize condenser water pump configuration - retrocommissioning" | Custom | N/A |
| PM-69548 | PM-69548 | Condenser water pump constant flow to variable flow conversion | Custom | N/A |
| PM-83657 | PM-83657 | Optimize hot water pump sequencing - retrocommissioning | Custom | N/A |
| PR-10911 | PR-10911 | Replace motor-generator set with solid state power conversion | Custom | N/A |
| WH-19960 | SWWH014F | Heat Pump Water Heater: 45 to 55 gallon (UEF=3.31) | Deemed | SWWH014-02 |