



State of California

M e m o r a n d u m

Date: October 20, 2023

To: Jay Bhakta, SCE, Varuna Gopalan, DNV; Henry Liu, PG&E; Breesa Collyer, PG&E; Tai Voong, PG&E; Rob Bohn, Rob, PG&E; Ajay Wadhwa, SCE; Ayad Al-Shaikh, futee; Rod Houdyshel, SDG&E; Adan Rosillo, PG&E; Amy Reardon, CPUC; Anders Danryd, SCG; Briana Bracamonte, SDG&E; Athena Besa, SDG&E; Kenney Liljestrom, SDG&E; Danielle Dragon, PG&E; Kerri-Ann Richard, DNV; Jennifer McWilliams, DNV; Jarred Metoyer, DNV; Rachel Murray, DNV; James Gibson, SDG&E; Ernie Rincon, SDG&E; Cassie Rauss, SCE; Ada Rodriguez, SDG&E; Steven Long, ICF; Keith Valenzuela; Christopher Kettoola, SDG&E; Soe Hla, PG&E; Brian K Johnston, SCG; John Zwick, SDG&E; Andres Marquez, SCG; Yvonne S. Nauta, SDG&E; Robert Kasman, PG&E; Zachary Shumake, SDG&E; Harpreet Singh Jr., PG&E; Dan Pidgeon, DNV; Andrea Fitch, SDG&E; Kimberlyn D Mowery, SCG; Nicholas Antonio Real Sales, SCE; Jon Hernandez, SDG&E; Alan Salazar, SDG&E; James Choi, SCG; Michael Walters, SCG; Pete Jacobs; Building Metrics; D Robb, Frontier ; J Stapp, SBW Consulting; M Campbell, Opinion Dynamics; J Kreutzer, MCE; J Kreutzer, MCE; F Craig; isd la county; L Medina, ISD LA county; Tolsen Energy Coalition; P Venugopal, Energy Coalition; Q Vallery, MCE; J Tan, ISD LA county; P Terry, Redwood Energy; J Romberger, SBW; K Heinemeier, Frontier; C Connorton, Frontier; Scott Broten, ICF; Sheetal Chitnis, AEA; R Pennington, Energy Coalition; Code Bruder, Energy Coalition; Alfredo Gutierrez, ICF

CC:

From: Peter Biermayer P.E., Utilities Engineer, EE Planning & Forecasting Section, Energy Division, CPUC

Subject: ANY BUILDING VINTAGE UPDATE REQUIREMENT

Resolution E-5221 DEER2024, Section 1.1.3 of Attachment A directs the elimination of the usage of “Any” to describe the building vintage for all measure package permutations intended for use in program year 2024. In addition, the CPUC issued a guidance memo on March 7, 2023 (erroneously dated March 7, 2022) to detail which of the available measure package permutations should be used to verify claimed savings—for program years 2022 and 2023, only—when the claimed building vintage (BldgVint) does not match the available permutations in the eTRM.

Since then, Cassie Rauss at SCE sent an email on August 28 to request that the rules established in the previously described memo be extended through program years 2024 and 2025. Given that this request comes so soon before the start of program year 2024, we hereby provide a summary of the numbers of measure packages affected by both E-5221 and the guidance memo of March 7 along with our direction for their updates in Table 1.

Table 1. Summary of affected measure packages and associated guidance

PA Lead	Guidance for 2024-01-01	Count
PGE	1. Change 'Any' to 'Ex'; BldgVint=Any is unacceptable per E-5221, Section 1.1.3, pp. A-2-3.	2
	3. Generate 'Old' and 'Rec' permutations since this measure is sensitive to building vintage.	1
	4. Waive update requirement to generate permutations for 'Old' and/or 'Rec' building vintages.	18
PGE Total		21
SCE	1. Change 'Any' to 'Ex'; BldgVint=Any is unacceptable per E-5221, Section 1.1.3, pp. A-2-3.	24
	4. Waive update requirement to generate permutations for 'Old' and/or 'Rec' building vintages.	4
SCE Total		28
SCG	1. Change 'Any' to 'Ex'; BldgVint=Any is unacceptable per E-5221, Section 1.1.3, pp. A-2-3.	18
	2. Generate 'Old' and 'Rec' permutations since EnergyImpacts were provided to the eTRM via DEER.	2
	4. Waive update requirement to generate permutations for 'Old' and/or 'Rec' building vintages.	23
SCG Total		43
SDGE	1. Change 'Any' to 'Ex'; BldgVint=Any is unacceptable per E-5221, Section 1.1.3, pp. A-2-3.	3
	2. Generate 'Old' and 'Rec' permutations since EnergyImpacts were provided to the eTRM via DEER.	2
	3. Generate 'Old' and 'Rec' permutations since this measure is sensitive to building vintage.	2
	4. Waive update requirement to generate permutations for 'Old' and/or 'Rec' building vintages.	3
SDGE Total		10

Table 2 contains a complete list of those measure packages containing permutations that use BldgVint=Any and those commercial measure packages that only contain permutations for BldgVint=Ex to indicate which must be updated prior to the beginning of program year 2024 and which may await update until the earlier of either the next measure package update or the next program cycle.

Table 2. List of affected measure packages and associated guidance as described in Table 1

PA Lead	Measure Version ID	Measure Name	Guidance
PGE	SWCR007-04	Floating Head Pressure Controls, Multiplex	4
PGE	SWCR012-02	Compressor Retrofit, Multiplex	4
PGE	SWCR015-02	Medium-Temperature Case Doors	4
PGE	SWCR017-04	Ultra-Low Temperature Freezer	4
PGE	SWCR018-03	Reach-In Refrigerator or Freezer, Commercial	4
PGE	SWCR019-02	Low-Temperature Coffin To Reach-In Display Case Conversion	4

PA Lead	Measure Version ID	Measure Name	Guidance
PGE	SWCR020-03	Medium-Temperature Open Display Case Retrofit	4
PGE	SWCR021-02	Medium or Low-Temperature Display Case With Doors	4
PGE	SWFS006-02	Ice Machine, Commercial	1
PGE	SWHC006-02	Demand Control Ventilation for Single Zone HVAC	4
PGE	SWHC018-03	VSD for HVAC Fan Controls, Commercial	4
PGE	SWHC023-03	Enhanced Ventilation for Packaged HVAC	3
PGE	SWPR001-01	Ventilation Fan, Agricultural	4
PGE	SWPR002-02	VFD for Glycol Pump Motor	4
PGE	SWPR005-02	VFD for Dust Collection Fan	4
PGE	SWPR006-02	VSD for Ventilation Fan, Agricultural	4
PGE	SWPR008-01	VFD on Rod Beam Pump	4
PGE	SWWH008-01	Boiler, Process	4
PGE	SWWH022-01	Smart Pump, Residential	1
PGE	SWWP002-03	Variable Frequency Drive on Irrigation Pump, <=300 hp	4
PGE	SWWP005-03	Enhanced Variable Frequency Drive on Irrigation Pump	4
SCE	SWAP011-03	Vending and Beverage Merchandise Controller	1
SCE	SWAP013-02	Cooking Appliances, Residential, Fuel Substitution	1
SCE	SWCA001-03	VFD Retrofit for Air Compressor	1
SCE	SWCR001-03	Anti-Sweat Heater Controls	1
SCE	SWCR002-03	Low-Temperature Display Case Doors With No Anti-Sweat Heaters	1
SCE	SWCR003-02	Fan Motor Retrofit for a Refrigerated Display Case	1
SCE	SWCR010-03	Bare Suction Line Insulation	1
SCE	SWCR014-03	Medium or Low-Temperature Display Case	4
SCE	SWCR022-03	Efficient Adiabatic Condenser	1
SCE	SWFS007-03	Insulated Hot Food Holding Cabinet	1
SCE	SWFS009-02	Deck Oven, Electric, Commercial	4
SCE	SWFS010-02	Commercial Hand-Wrap Machine, Electric	4
SCE	SWFS012-01	Exhaust Hood Demand Controlled Ventilation, Commercial	1
SCE	SWFS016-02	Refrigerated Chef Base	1
SCE	SWFS021-03	Fryer, Commercial, Fuel Substitution	1
SCE	SWFS022-02	Convection Oven, Commercial, Fuel Substitution	1
SCE	SWHC012-02	HVAC Occupancy Sensor, Classroom	1
SCE	SWHC024-03	Cogged V-Belt for HVAC Fan, Commercial	1
SCE	SWHC039-06	Smart Thermostat, Residential	1
SCE	SWHC041-04	Software-Controlled Switch Reluctance Motor	4
SCE	SWHC042-03	Evaporative Pre-Cooler System and Controls for Packaged HVAC Unit	1
SCE	SWHC046-02	Packaged Heat Pump Air Conditioner Commercial, Fuel Substitution	1
SCE	SWPR004-03	Circulating Block Heater	1
SCE	SWRE005-02	Heat Pump Pool Heater, Residential, Fuel Substitution	1

PA Lead	Measure Version ID	Measure Name	Guidance
SCE	SWWH014-04	Heat Pump Water Heater, Residential	1
SCE	SWWH027-03	Heat Pump Water Heater, Commercial, Fuel Substitution	1
SCE	SWWH028-02	Large Heat Pump Water Heater, Commercial and Multifamily, Fuel Substitution	1
SCE	SWWH031-02	Heat Pump Water Heater, Commercial	1
SCG	SWAP005-02	Ozone Laundry, Commercial	1
SCG	SWAP012-01	Gas Dryer Modulating Valve, Commercial and Multifamily	1
SCG	SWBE001-03	Greenhouse Heat Curtain	1
SCG	SWBE002-03	Greenhouse Infrared Film	1
SCG	SWFS001-03	Convection Oven, Commercial	4
SCG	SWFS002-03	Door-Type Dishwasher, Commercial	1
SCG	SWFS003-03	Combination Oven, Commercial	4
SCG	SWFS004-01	Griddle, Commercial	1
SCG	SWFS005-03	Steamer, Commercial	1
SCG	SWFS008-01	Conveyor Oven, Gas, Commercial	1
SCG	SWFS011-05	Fryer, Commercial	1
SCG	SWFS013-02	Low-Flow Pre-Rinse Spray Valve	1
SCG	SWFS014-02	Rack Oven, Gas, Commercial	1
SCG	SWFS017-02	Automatic Conveyor Broiler, Commercial	1
SCG	SWFS018-04	Undercounter Dishwasher, Commercial	1
SCG	SWFS019-02	Underfired Broiler, Commercial	1
SCG	SWFS024-01	Hot Food Holding Bins, Commercial	4
SCG	SWFS025-01	Radiant Conveyor Toaster, Commercial	4
SCG	SWFS026-01	Cooktop, Commercial	4
SCG	SWFS027-01	Soup Well, Electric, Commercial	4
SCG	SWFS028-01	Steam Table, Electric, Commercial	4
SCG	SWFS029-01	Rotisserie, Gas, Commercial	4
SCG	SWHC004-05	Space Heating Boiler, Commercial & Multifamily	2
SCG	SWHC011-02	Furnace, Commercial	2
SCG	SWHC047-03	Gas Fireplace, Residential	1
SCG	SWHC048-03	Packaged Air Conditioner Heat Recovery, Commercial	1
SCG	SWHC058-01	Patio Heater, Gas, Commercial and Residential	4
SCG	SWPR003-01	Steam Trap, Commercial	1
SCG	SWPR007-01	Steam Boiler Economizer, Industrial	4
SCG	SWRE001-02	Pool Cover, Commercial	1
SCG	SWRE003-03	Heater for Pool or Spa, Commercial and Multifamily	4
SCG	SWWH004-03	Laminar Flow Restrictor, Commercial	4
SCG	SWWH005-06	Boiler, Commercial	4
SCG	SWWH006-07	Tankless Water Heater, Commercial	4
SCG	SWWH007-05	Storage Water Heater, Commercial	4
SCG	SWWH015-03	Demand Control for Centralized Water Heater Recirculation Pump, Multifamily & Commercial	4

PA Lead	Measure Version ID	Measure Name	Guidance
SCG	SWWH016-03	Domestic Hot Water Loop Temperature Controller, Multifamily & Commercial	4
SCG	SWWH017-04	Hot Water Pipe Insulation, Nonresidential and Multifamily	4
SCG	SWWH018-04	Hot Water Tank Insulation, Nonresidential and Multifamily	4
SCG	SWWH019-04	Faucet Aerator, Commercial	4
SCG	SWWH020-04	Low-Flow Showerhead, Commercial	4
SCG	SWWH021-01	Recirculation Pump Timer, Commercial	4
SCG	SWWH034-02	Solar Thermal Water Heating System, Commercial and Multifamily	4
SDGE	SWHC009-03	Supply Fan Controls, Commercial	1
SDGE	SWHC014-03	Unitary Air-Cooled Air Conditioner or Heat Pump, Under 65 kBtu/hr, Commercial	2
SDGE	SWHC027-03	Package Terminal Air Conditioner or Heat Pump, Under 24 kBtu/hr	2
SDGE	SWHC043-03	Multiple Capacity Unitary Air-Cooled Commercial Air Conditioners Between 65 and 240 kBtu/hr	3
SDGE	SWHC052-02	Air-Cooled Chiller, Path B	3
SDGE	SWLG020-01	UL Type B LED Mogul Base Lamp HID Retrofits for Outdoor Area/Pole and Decorative Fixtures	4
SDGE	SWMI001-02	Water Energy Nexus Measures	1
SDGE	SWMI002-01	No Savings	1
SDGE	SWSV005-02	Economizer Repair, Commercial	4
SDGE	SWSV010-02	Economizer Controls, Commercial	4

For those measures packages for which updates to the building vintage permutations have been waived for 2024-01-01, the standing claims processing logic shall continue to be used for program years 2024 and 2025, only, as indicated in the “CPUC Guidance Joint IOU Vintage Proposal on Ex Ante Building Vintage for Claims Processing” memo that was issued on March 7, 2023 (though erroneously dated March 7, 2022).