

Avista Technical Reference Manual
 Fixed Unit Energy Savings Listing
 Avista Biennial Conservation Plan for 2014-2015
 Appendix C Working Papers

Avista references the Regional Technical Forum as its primary resource for unit energy savings (UES) values. The Company's Technical Reference Manual (TRM), representing results from impact analysis studies on its portfolio, is used when a suitable UES value is not available from the RTF.

In consideration of the UES values incorporated into the Conservation Potential Assessment and its establishment of the biennium's energy efficiency target, Avista recognizes the RTF body of work as of April 5, 2013, as the primary fixed UES list. This date coincides with the initial UES data captured in the creation of the referenced CPA.

The UES list below represents the applicable measures available from Avista's TRM. These values will remain fixed until the annual update of the TRM for existing measures and program acquisition. Items struck are considered to be supplanted by existing UES values available from the Regional Technical Forum. Additional measures identified during the biennium that do not have fixed UES values will be subject to third-party measurement and verification in compliance

Baseline Technology	Efficient Technology or Measure	Savings (kWh)	UOM
Residential			
Home Improvement Program			
TRM			
Federal Standard Compliant 50 Gallon Electric Tank Water Heater (EF=0.909)	50 Gallon Electric Tank Water Heater with EF>0.93	119.1	each
Federal Standard Compliant Gas Tank Water Heater	Existing Electric Tank DHWH System	4,031.17	each
DHP Meeting Federal Standard	High Efficiency Ductless Heat Pump	184.63	System
Home Using a Standard Efficiency Air Source Heat Pump	Home Using a High Efficiency Air Source Heat Pump	336.52	System
Home Using a Standard Efficiency Air Source Heat Pump	Home Using a High Efficiency Air Source Heat Pump (Elec Furnace)	394.11	System
Home Using a Standard Efficiency Air Source Heat Pump	Home Using a High Efficiency Air Source Heat Pump (Gas Furnace)	317.98	System
Home Using an Electric Resistance Forced Air Furnace	Home Using a Standard Efficiency Air Source Heat Pump	6,589.31	System
Home Using an Electric Resistance Forced Air Furnace	Home Using a Standard Efficiency Gas Furnace	12,012.42	System
Fixed Speed Furnace Air Handler Fan	Variable Speed Furnace Air Handler Fan	438.55	each
Energy Code Compliant New Home (2012-2013)	Energy Star Home - All Electric Heating	2,510	House
Energy Code Compliant New Home (2012-2013)	Energy Star Homes - Gas Heating	1,054	House
Unweatherized Home	Weatherized Home	891.41	each
Unweatherized Attic (R<10)	Weatherized Attic (Additional R>10)	0.51	Savings/sqft
Unweatherized Wall (R<5)	Weatherized Wall (Additional R>10)	1.83	Savings/sqft
Unweatherized Floor (R<5)	Weatherized Floor (Additional R>10)	1.83	Savings/sqft
Lighting			
Retail Purchase - Standard Incandescent	Retail Purchase - Standard CFL	21.62	Bulb
Retail Purchase - Specialty Incandescent	Retail Purchase - Specialty CFL	28.62	Bulb
Retail Purchase - 3-Way Specialty Incandescent	Retail Purchase - 3-Way Specialty CFL	32.96	Bulb
Existing Standard Incandescent	Geographic Give Away Standard CFL	23.74	Bulb
Existing Specialty Incandescent	Geographic Give Away Specialty CFL	21.98	Bulb
Appliance Recycling			
Unwanted or Second Refrigerator	Recycled Refrigerator (2012)	1,082.99	each
Unwanted or Second Freezer	Recycled Freezer (2012)	880.69	each

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ENERGY STAR Appliance

Non Energy / Federal Standard Compliant Clothes Washer (Elec DHWH).	ENERGY STAR qualified Clothes Washer (Elec DHWH) (2012)	490.14	each
Non Energy / Federal Standard Compliant Clothes Washer (Gas DHWH).	ENERGY STAR qualified Clothes Washer (Gas DHWH) (2012)	318.43	each
Non Energy / Federal Standard Compliant Freezer	ENERGY STAR qualified Freezer (2012)	46.52	each
Non Energy / Federal Standard Compliant Refrigerator	ENERGY STAR qualified Refrigerator (2012)	65.52	each

Low Income

No Insulation or low R- value insulation	E INS - BUNDLE (CEIL/ATTIC, FLOOR, WALL)	0.67	Savings/sqft
No Insulation or low R- value insulation	E FLOOR INSULATION-ELECT HEAT	1.83	Savings/sqft
No Insulation or low R- value insulation	E WALL INSULATION-ELECT HEAT	1.83	Savings/sqft
No Insulation or low R- value insulation	E ATTIC INSULATION-ELECT HEAT	0.51	Savings/sqft
No Insulation or low R- value insulation	E INS - DUCT	0.53	Savings/sqft
Air Infiltration Issues	E AIR INFILTRATION	0.31	Savings/sqft/0.1 ach
Standard Window	E ENERGY STAR WINDOWS	0.33	Savings/sqft
Standard Door	E ENERGY STAR DOORS	248.21	each
Standard Water Heater	E HE WH	105	each
Standard Refrigerator	E ENERGY STAR REFRIGERATOR	811	each
No Programmable Thermostat	E PROG TSTAT NO AC	415.15	House
Standard Electric Furnace	E TO G FURNACE CONVERSION	8,213.81	each
Standard Electric Water Heater	E TO G H2O CONVERSION	4,031.06	each
No Smart Strip	E SMART STRIPS	100	each
Constant Speed Motor or Broken ECM Motor	E ECM MOTOR REPLACE/REPAIR	341.65	each
Electric Baseboard and No Room AC	E DUCTLESS MINI-SPLITS	2,697.8	Home
Electric Baseboard and Room AC	E DUCTLESS MINI-SPLITS	2,847.96	House

Commercial

Receiver Capacity less than 2 Gals/CFM delivery	Receiver Capacity greater than 2 Gals/CFM delivery	0.0035	Gallon*OpHours
Air Dryer running continuously to meet heat load from compressed air	Air Dryer cycling to meet heat load from compressed air	0.003	SCFM*OpHours
Fixed Speed Rotary Air Compressor with Inlet Modulation	Variable Speed Rotary Air Compressor to control discharge flow	0.18	HP*OpHours
Condensate Drain that discharges without concern for compressed air discharge	Condensate drain that discharges only water	0.15	EACH*OpHours
Air Filter that imposes a 10 psig drop at end of life	Air Filter that imposes less than a 3 psig drop at end of life	0.002	SCFM*OpHours

Residential Sector
Fixed Unit Energy Savings Listing
Regional Technical Forum Reference as of April 5, 2013
Avista Biennial Conservation Plan for 2014-2015
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December 9, 2013

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer (no tiers) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	29	EA
2	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer (no tiers) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	56	EA
3	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer (no tiers) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	28	EA
4	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer (no tiers) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	47	EA
5	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer (no tiers) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	40	EA
6	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	22	EA

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7	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	36	EA
8	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	28	EA
9	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	33	EA
10	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	29	EA
11	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 2 (15% to 20% more efficient than federal standard) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	40	EA
12	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 2 (15% to 20% more efficient than federal standard) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	51	EA
13	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 2 (15% to 20% more efficient than federal standard) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	39	EA

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14	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 2 (15% to 20% more efficient than federal standard) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	47	EA
15	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 2 (15% to 20% more efficient than federal standard) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	44	EA
16	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	55	EA
17	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	106	EA
18	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	76	EA
19	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	97	EA
20	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	80	EA

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21	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	76	EA
22	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	104	EA
23	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	75	EA
24	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	95	EA
25	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	88	EA
26	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal standard) - Chest, Any Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	125	EA
27	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal standard) - Upright, Automatic Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	209	EA

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28	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal standard) - Upright, Manual Defrost	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	148	EA
29	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal standard) - Any Upright Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	191	EA
30	ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal standard) - Any Freezer	Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star (no tiers) and Tier measures may not be claimed within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	164	EA
31	PowerStripsFY10v1_0	Residential	Equipment	Smart Strips	Smart Power Strips - Residential (Provisional)	Manufacturer, Dealer or Consumer Rebate	4	100	EA
32	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	Energy Star Clothes Washer - Electric DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with the January 1, 2011 Energy Star specifications (MEF 2.0 or greater and WF 6.0 or lower). Programs using this "Energy Star Clothes Washer" measure may not also use any other "MEF X.XX or higher Clotheswasher" measures.	14	46	EA
33	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	Energy Star Clothes Washer - Electric DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with the January 1, 2011 Energy Star specifications (MEF 2.0 or greater and WF 6.0 or lower). Programs using this "Energy Star Clothes Washer" measure may not also use any other "MEF X.XX or higher Clotheswasher" measures.	14	20	EA
34	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	Energy Star Clothes Washer - Gas DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with the January 1, 2011 Energy Star specifications (MEF 2.0 or greater and WF 6.0 or lower). Programs using this "Energy Star Clothes Washer" measure may not also use any other "MEF X.XX or higher Clotheswasher" measures.	14	31	EA
35	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	Energy Star Clothes Washer - Gas DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with the January 1, 2011 Energy Star specifications (MEF 2.0 or greater and WF 6.0 or lower). Programs using this "Energy Star Clothes Washer" measure may not also use any other "MEF X.XX or higher Clotheswasher" measures.	14	5	EA

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36	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	Energy Star Clothes Washer - Any DHW, Any Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with the January 1, 2011 Energy Star specifications (MEF 2.0 or greater and WF 6.0 or lower). Programs using this "Energy Star Clothes Washer" measure may not also use any other "MEF X.XX or higher Clotheswasher" measures.	14	36	EA
37	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.4 or higher Clothes Washer - Electric DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.40 or higher. Programs using this "MEF 2.40 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	82	EA
38	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.4 or higher Clothes Washer - Electric DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.40 or higher. Programs using this "MEF 2.40 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	31	EA
39	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.4 or higher Clothes Washer - Gas DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.40 or higher. Programs using this "MEF 2.40 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	59	EA
40	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.4 or higher Clothes Washer - Gas DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.40 or higher. Programs using this "MEF 2.40 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	9	EA
41	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.4 or higher Clothes Washer - Any DHW, Any Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.40 or higher. Programs using this "MEF 2.40 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	64	EA
42	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.46 or higher Clothes Washer - Electric DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.46 or higher. Programs using this "MEF 2.46 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	92	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
43	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.46 or higher Clothes Washer - Electric DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.46 or higher. Programs using this "MEF 2.46 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	33	EA
44	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.46 or higher Clothes Washer - Gas DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.46 or higher. Programs using this "MEF 2.46 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	68	EA
45	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.46 or higher Clothes Washer - Gas DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.46 or higher. Programs using this "MEF 2.46 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	9	EA
46	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 2.46 or higher Clothes Washer - Any DHW, Any Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 2.46 or higher. Programs using this "MEF 2.46 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	73	EA
47	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 3.1 or higher Clothes Washer - Electric DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 3.1 or higher. Programs using this "MEF 3.1 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	140	EA
48	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 3.1 or higher Clothes Washer - Electric DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 3.1 or higher. Programs using this "MEF 3.1 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	51	EA
49	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 3.1 or higher Clothes Washer - Gas DHW, Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 3.1 or higher. Programs using this "MEF 3.1 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	105	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
50	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 3.1 or higher Clothes Washer - Gas DHW, Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 3.1 or higher. Programs using this "MEF 3.1 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	16	EA
51	ResClothesWashersSF_v3_2	Residential	Appliances	Clothes Washer	MEF 3.1 or higher Clothes Washer - Any DHW, Any Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 3.1 or higher. Programs using this "MEF 3.1 or higher Clothes Washer" measure may not also use the "Energy Star Clothes Washer" measures nor any other "MEF X.XX or higher Clothes Washer" measures.	14	112	EA
52	FrigRecycle_FY10v2_3	Residential	Appliances	Freezer Early Retirement and Recycling	Freezer Decommissioning and Recycling	Dealer or Consumer Rebate. Existing freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	5	478	EA
53	FrigRecycle_FY10v2_3	Residential	Appliances	Refrigerator Early Retirement and Recycling	Refrigerator Decommissioning and Recycling	Dealer or Consumer Rebate. Existing refrigerator/freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	7	424	EA
54	ResDishwasher_v2_2	Residential	Appliances	Dishwashing	Energy Star Dishwasher (valid until May 2013) - Electric DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	9	EA
55	ResDishwasher_v2_2	Residential	Appliances	Dishwashing	Energy Star Dishwasher (valid until May 2013) - Gas DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	(3)	EA
56	ResDishwasher_v2_2	Residential	Appliances	Dishwashing	Energy Star Dishwasher (valid until May 2013) - Any DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	5	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
57	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwashers -(valid until May 2013) Electric DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	10	EA
58	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwashers -(valid until May 2013) Gas DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	(2)	EA
59	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwashers -(valid until May 2013) Any DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	5	EA
60	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	Energy Star Dishwasher (valid after May 2013) - Electric DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	4	EA
61	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	Energy Star Dishwasher (valid after May 2013) - Gas DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	(3)	EA
62	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	Energy Star Dishwasher (valid after May 2013) - Any DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	2	EA
63	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwasher (valid after May 2013) - Electric DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	5	EA
64	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwasher (valid after May 2013) - Gas DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	(3)	EA
65	ResDishwasher_v2_2	Residential	Appliances	Energy Star Dishwasher	CEE Tier 1 Dishwasher (valid after May 2013) - Any DHW	Manufacturer, Dealer or Consumer Rebate. Energy Star measures and CEE measures cannot be claimed within the same program. Electric or gas water heater measures and "any water heater" measures cannot be claimed within the same program.	15	2	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
66	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Bottom Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	45	EA
67	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Bottom Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	40	EA
68	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Side-by-Side w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	44	EA
69	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Side-by-Side w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	51	EA
70	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Top Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	40	EA
71	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Top Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	45	EA
72	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Energy Star Refrigerator - Any	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	44	EA
73	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Bottom Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	34	EA
74	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Bottom Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	36	EA
75	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Side-by-Side w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	38	EA
76	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Side-by-Side w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	40	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
77	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Top Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	32	EA
78	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Top Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	39	EA
79	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Any	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	37	EA
80	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Bottom Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	54	EA
81	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Bottom Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	65	EA
82	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Side-by-Side w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	64	EA
83	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Side-by-Side w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	87	EA
84	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Top Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	62	EA
85	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Top Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	65	EA
86	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Any	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	65	EA
87	ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Bottom Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	74	EA

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88	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Bottom Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	90	EA
89	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Side-by-Side w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	91	EA
90	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Side-by-Side w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	107	EA
91	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Top Freezer w/Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	85	EA
92	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Top Freezer w/o Ice thru door	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	85	EA
93	ResRefrigerators_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Any	Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimed within the same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the same program.	20	86	EA
94	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New MultiFamily Construction, DHW & Shower Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, electric resistance water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA
95	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New Single Family Construction, DHW & Shower Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate New SF construction, electric resistance water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA
96	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New MultiFamily Construction, DHW Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, electric resistance water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
97	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger Retrofit in Existing Residence, DHW & Shower Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate SF or MF retrofit, electric resistance water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	UOM
							(years)	Site (kwh/yr)	
98	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New Single Family Construction, DHW Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate New SF construction, electric resistance water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
99	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger Retrofit in Existing Residence, DHW Preheat, Electric Resistance	Manufacturer, Dealer or Consumer Rebate SF or MF retrofit, electric resistance water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
100	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New MultiFamily Construction, DHW & Shower Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, heat pump water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA
101	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New Single Family Construction, DHW & Shower Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate New SF construction, heat pump water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA
102	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New MultiFamily Construction, DHW Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, heat pump water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
103	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger Retrofit in Existing Residence, DHW & Shower Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate SF or MF retrofit, heat pump water heat, preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A	EA
104	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New Single Family Construction, DHW Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate New SF construction, heat pump water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
105	ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger Retrofit in Existing Residence, DHW Preheat, Heat Pump	Manufacturer, Dealer or Consumer Rebate SF or MF retrofit, heat pump water heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.	N/A	N/A	EA
106	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 25 gallons, <35 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	59	EA
107	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 35 gallons, <45 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	110	EA
108	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 45 gallons, <55 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	149	EA
109	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 45 gallons, <55 gallons_EF0.94+)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	142	EA
110	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 55 gallons, <75 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	190	EA
111	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 75 gallons, <100 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	129	EA
112	ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	Residential-type Water Heater (>= 100 gallons, <120 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	120	EA

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113	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - 50 to 75 gallons - Any Heat Type - Unheated Buffer Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	881	EA
114	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - 50 to 75 gallons - Gas Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,547	EA
115	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - 50 to 75 gallons - Heat Pump Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,189	EA
116	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - 50 to 75 gallons - Zonal Electric Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	648	EA
117	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - 50 to 75 gallons - Electric Furnace Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	556	EA
118	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - greater than 75 gallons - Any Heat Type - Unheated Buffer Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,811	EA
119	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - greater than 75 gallons - Gas Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	2,169	EA
120	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - greater than 75 gallons - Heat Pump Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,686	EA
121	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - greater than 75 gallons - Zonal Electric Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	957	EA
122	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 1 - greater than 75 gallons - Electric Furnace Heated Home - Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	833	EA
123	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 2 - Any Size - Any Heat Type - Unheated Buffer Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,786	EA
124	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 2 - Any Size - Gas Heated Home - Exhaust Ducted Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,726	EA
125	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 2 - Any Size - Heat Pump Heated Home - Exhaust Ducted Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,267	EA
126	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 2 - Any Size - Zonal Electric Heated Home - Exhaust Ducted Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	994	EA
127	Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	HPWH - Tier 2 - Any Size - Electric Furnace Heated Home - Exhaust Ducted Interior Location - PNW	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	884	EA
128	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Any Water Heating_Retail	Showerhead shall be purchased through retail channels by consumer. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	81	EA

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129	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Any Water Heating_Retail	Showerhead shall be purchased through retail channels by consumer. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	121	EA
130	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Any Water Heating_Retail	Showerhead shall be purchased through retail channels by consumer. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	157	EA
131	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	140	EA
132	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	224	EA
133	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	310	EA
134	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	71	EA
135	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	114	EA

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136	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	158	EA
137	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	117	EA
138	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	187	EA
139	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Electric Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	260	EA
140	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	6	EA
141	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	10	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
142	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	13	EA
143	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	3	EA
144	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	5	EA
145	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	7	EA
146	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	5	EA
147	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	8	EA

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148	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Gas Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	11	EA
149	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	92	EA
150	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	147	EA
151	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	203	EA
152	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	47	EA
153	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	75	EA
154	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	104	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
155	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	77	EA
156	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	123	EA
157	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Any Water Heating_Mail-by-Request	Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	170	EA
158	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	166	EA
159	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	265	EA
160	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	368	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
161	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	85	EA
162	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	135	EA
163	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	187	EA
164	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	139	EA
165	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	222	EA
166	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Electric Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	307	EA
167	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	7	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
168	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	11	EA
169	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	15	EA
170	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	4	EA
171	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	6	EA
172	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	8	EA
173	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	6	EA
174	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	9	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
175	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Gas Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	13	EA
176	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	109	EA
177	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	174	EA
178	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the primary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	241	EA
179	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	55	EA
180	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	88	EA
181	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in the secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	123	EA

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182	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	91	EA
183	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	145	EA
184	ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_Any Water Heating_Direct Install	Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence. Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	201	EA
185	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,971	EA
186	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,909	EA
187	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,269	EA
188	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 1 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,722	EA
189	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 1 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,453	EA
190	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 1 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,047	EA
191	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 2 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,660	EA

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192	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 2 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,391	EA
193	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 2 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,985	EA
194	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 3 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,020	EA
195	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 3 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,751	EA
196	ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 3 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,346	EA
197	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,154	EA
198	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,925	EA
199	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,182	EA
200	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,912	EA
201	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,644	EA

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202	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,228	EA
203	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,683	EA
204	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,415	EA
205	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,999	EA
206	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,940	EA
207	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,672	EA
208	ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,256	EA
209	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.2 HSPF/13 SEER - Heating Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	184	EA
210	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.2 HSPF/13 SEER - Heating Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	214	EA
211	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.2 HSPF/13 SEER - Heating Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	236	EA
212	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	293	EA

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213	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	321	EA
214	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	362	EA
215	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	337	EA
216	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	365	EA
217	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	405	EA
218	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 3 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	365	EA
219	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 3 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	393	EA
220	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 8.5 HSPF/14 SEER - Heating Zone 3 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	434	EA
221	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	418	EA
222	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	447	EA
223	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	487	EA
224	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	482	EA
225	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	510	EA
226	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2 - Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a requirement of this measure.	20	550	EA

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227	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3 Cooling Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	521	EA
228	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3 Cooling Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	549	EA
229	ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	New or Existing Manufactured Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3 Cooling Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	589	EA
230	ResHeatingCoolingHeatPumpsUpgradeSFexisting_v2_8	Residential	HVAC	HVAC System Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	128	EA
231	ResHeatingCoolingHeatPumpsUpgradeSFexisting_v2_8	Residential	HVAC	HVAC System Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	116	EA
232	ResHeatingCoolingHeatPumpsUpgradeSFexisting_v2_8	Residential	HVAC	HVAC System Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	115	EA
233	ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	HVAC System Upgrade	New Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	115	EA
234	ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	HVAC System Upgrade	New Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	109	EA
235	ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	HVAC System Upgrade	New Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	15	111	EA
236	DHP_Provisional_Existing_FY10v1_2_Reviewed	Residential	HVAC	Space Conditioning System Upgrade	High Efficiency Ductless Split Heat Pump System - Existing Single Family w/ Zonal Electric Heat	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. The heat pump's indoor unit shall have a nominal heating capacity of one (1.0) ton or greater, employ an inverted driven compressor and at least one indoor unit. All DHP claims, BPA funded or utility self funded, need to follow the Pilot Program requirements as defined by the NEEA/Fluid Marketing Strategies DHP Implementation Team.	20	3,500	EA
237	DHP_Provisional_Existing_FY10v1_2_Reviewed	Residential	HVAC	Space Conditioning System Upgrade	High Efficiency Ductless Split Heat Pump System - Existing Single Family w/ Electric FAC w/ or w/o CAC	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. The heat pump's indoor unit shall have a nominal heating capacity of one (1.0) ton or greater, employ an inverted driven compressor and at least one indoor unit. All DHP claims, BPA funded or utility self funded, need to follow the Pilot Program requirements as defined by the NEEA/Fluid Marketing Strategies DHP Implementation Team.	20	3,500	EA

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238	ResSFElectronicTStats_v2_0	Residential	HVAC	Thermostats and Controls	Electronic Thermostat - Replacement for Bi-metal Thermostats (Line or Low Voltage) - Heating Zone 1	Consumer, contractor or distributor rebate or direct installation. All existing thermostats, except those in bathrooms shall be replaced with thermostats that are in substantial compliance with the RTF's "Specifications for Electronic Thermostats."	15	348	EA
239	ResSFElectronicTStats_v2_0	Residential	HVAC	Thermostats and Controls	Electronic Thermostat - Replacement for Bi-metal Thermostats (Line or Low Voltage) - Heating Zone 2	Consumer, contractor or distributor rebate or direct installation. All existing thermostats, except those in bathrooms shall be replaced with thermostats that are in substantial compliance with the RTF specifications for electronic thermostats.	15	509	EA
240	ResSFElectronicTStats_v2_0	Residential	HVAC	Thermostats and Controls	Electronic Thermostat - Replacement for Bi-metal Thermostats (Line or Low Voltage) - Heating Zone 3	Consumer, contractor or distributor rebate or direct installation. All existing thermostats, except those in bathrooms shall be replaced with thermostats that are in substantial compliance with the RTF specifications for electronic thermostats.	15	635	EA
241	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	2,452	EA
242	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	2,513	EA
243	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	2,632	EA
244	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,790	EA
245	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,850	EA
246	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,969	EA

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247	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,270	EA
248	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,347	EA
249	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,509	EA
250	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,584	EA
251	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,660	EA
252	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,822	EA
253	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,600	EA
254	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,661	EA
255	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,780	EA

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256	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,012	EA
257	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,072	EA
258	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,191	EA
259	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,450	EA
260	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,526	EA
261	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,688	EA
262	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,810	EA
263	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,886	EA
264	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,049	EA

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265	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	2,980	EA
266	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,044	EA
267	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	3,171	EA
268	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,638	EA
269	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,702	EA
270	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,829	EA
271	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,956	EA
272	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,039	EA
273	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,215	EA

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274	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,676	EA
275	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,758	EA
276	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,935	EA
277	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,224	EA
278	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,288	EA
279	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,415	EA
280	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,951	EA
281	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,015	EA
282	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,142	EA

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283	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,192	EA
284	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,275	EA
285	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,451	EA
286	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,970	EA
287	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,053	EA
288	ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,229	EA
289	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,414	EA
290	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,493	EA
291	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,640	EA
292	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,572	EA

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293	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,651	EA
294	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,798	EA
295	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,788	EA
296	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,890	EA
297	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	15,093	EA
298	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,522	EA
299	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,624	EA
300	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,828	EA
301	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,563	EA
302	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,641	EA
303	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,788	EA

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304	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,794	EA
305	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,872	EA
306	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,020	EA
307	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	15,967	EA
308	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	16,069	EA
309	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	16,273	EA
310	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,748	EA
311	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,850	EA
312	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	20,054	EA
313	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,448	EA
314	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,532	EA

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315	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,689	EA
316	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,996	EA
317	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,080	EA
318	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,237	EA
319	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,033	EA
320	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,145	EA
321	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,365	EA
322	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,406	EA
323	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,518	EA
324	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,738	EA
325	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,692	EA

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326	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,776	EA
327	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,933	EA
328	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,309	EA
329	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,393	EA
330	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,550	EA
331	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,269	EA
332	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,381	EA
333	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,601	EA
334	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	23,700	EA
335	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	23,813	EA
336	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	24,032	EA

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337	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,151	EA
338	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,942	EA
339	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,659	EA
340	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,308	EA
341	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,100	EA
342	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,816	EA
343	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,487	EA
344	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,170	EA
345	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,697	EA
346	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,221	EA
347	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,905	EA

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348	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,431	EA
349	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,299	EA
350	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,091	EA
351	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,807	EA
352	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,530	EA
353	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,322	EA
354	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,038	EA
355	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	15,666	EA
356	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	15,350	EA
357	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,876	EA
358	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,447	EA

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359	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,131	EA
360	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - New House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,657	EA
361	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,196	EA
362	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,977	EA
363	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,669	EA
364	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,744	EA
365	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,525	EA
366	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,217	EA
367	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,736	EA
368	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,402	EA
369	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	16,890	EA

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370	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,109	EA
371	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	21,774	EA
372	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	21,262	EA
373	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,440	EA
374	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,221	EA
375	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,913	EA
376	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,057	EA
377	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,838	EA
378	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,530	EA
379	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,972	EA
380	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,638	EA

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381	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,126	EA
382	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	23,403	EA
383	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	23,069	EA
384	ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,557	EA
385	ResMHPTCSCommissioningControlsSizing_v2_5	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 1	Heat Pump must be installed in compliance with the commissioning, controls and sizing portion of the PTCS specifications. Exception: PTCS SEER/HSPF efficiency specifications are not a requirement of this measure	20	836	
386	ResMHPTCSCommissioningControlsSizing_v2_5	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 2	Heat Pump must be installed in compliance with the commissioning, controls and sizing portion of the PTCS specifications. Exception: PTCS SEER/HSPF efficiency specifications are not a requirement of this measure	20	1,494	
387	ResMHPTCSCommissioningControlsSizing_v2_5	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 3	Heat Pump must be installed in compliance with the commissioning, controls and sizing portion of the PTCS specifications. Exception: PTCS SEER/HSPF efficiency specifications are not a requirement of this measure	20	1,999	
388	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,154	EA
389	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,925	EA
390	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,182	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
391	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,912	EA
392	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,644	EA
393	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,228	EA
394	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,683	EA
395	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,415	EA
396	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 2 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,999	EA
397	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 1	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,940	EA
398	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 2	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,672	EA
399	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to Heat Pump - Heating Zone 3 - Cooling Zone 3	Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,256	EA
400	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	New or Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	169	EA

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401	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	New or Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 2	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	183	EA
402	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	New or Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 3	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	190	EA
403	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 1	Heat Pump must be installed in substantial compliance with the PTCS specifications (including the commissioning, controls and sizing portions).	20	1,152	EA
404	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 2	Heat Pump must be installed in substantial compliance with the PTCS specifications (including the commissioning, controls and sizing portions).	20	2,036	EA
405	Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Heat Pump PTCS Commissioning, Controls, and Sizing - Heating Zone 3	Heat Pump must be installed in substantial compliance with the PTCS specifications (including the commissioning, controls and sizing portions).	20	2,694	EA
406	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	1,324	
407	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	1,496	
408	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/o CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	1,433	
409	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric Heat Pump Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	887	
410	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,165	

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411	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,361	
412	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,290	
413	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,664	
414	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,879	
415	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,074	
416	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,023	
417	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,324	
418	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,659	

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419	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,881	
420	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,799	
421	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,093	
422	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,641	
423	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,898	
424	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,791	
425	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,022	
426	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,473	

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427	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,710	
428	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,645	
429	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,813	
430	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,543	
431	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,748	
432	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,672	
433	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,022	
434	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,477	

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435	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	2,715	
436	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	2,617	
437	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	1,902	
438	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	3,267	
439	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	3,489	
440	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	3,429	
441	ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Any Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	18	2,645	
442	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 1 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	1,244	
443	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications. The "any" case may not be combined in programs using the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	1,425	

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444	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 1 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	1,362	
445	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 1 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	1,049	
446	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 2 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,111	
447	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,257	
448	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,176	
449	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,001	
450	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 3 (Average Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,811	
451	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,903	
452	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 3 (Electric FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,850	
453	ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump Heating System)	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to meet PTCS specifications.	20	2,745	
454	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Energy Star Duct Sealing) - Heating Zone 1	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	1,053	
455	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Energy Star Duct Sealing) - Heating Zone 2	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	2,007	
456	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Energy Star Duct Sealing) - Heating Zone 3	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	3,012	
457	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Unsealed Ducts) - Heating Zone 1	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	1,922	

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458	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Unsealed Ducts) - Heating Zone 2	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	3,677	
459	ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	PTCS Ducts Inside - Single Family New Construction (Baseline=Unsealed Ducts) - Heating Zone 3	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside specifications.	25	5,404	
460	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	5,912	EA
461	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	5,992	EA
462	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	6,097	EA
463	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 2 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	8,406	EA
464	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 2 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	8,485	EA
465	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 2 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	8,589	EA
466	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 3 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	9,824	EA
467	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 3 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	9,904	EA
468	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 3 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	10,011	EA
469	ResSFVariableSpeedHPCConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	5,494	EA

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470	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	5,202	EA
471	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	4,814	EA
472	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	7,988	EA
473	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	7,695	EA
474	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	7,306	EA
475	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	9,405	EA
476	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	9,115	EA
477	ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	8,728	EA
478	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	980	EA
479	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,059	EA
480	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,164	EA

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481	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,559	EA
482	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,638	EA
483	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,742	EA
484	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	2,157	EA
485	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	2,238	EA
486	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	2,345	EA
487	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	831	EA
488	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	904	EA
489	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 1 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,002	EA
490	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,325	EA
491	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,397	EA

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492	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,492	EA
493	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 1	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,827	EA
494	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 2	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,900	EA
495	ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	New Construction Single Family Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 3	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,998	EA
496	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Any Exterior	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	120	EA
497	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Any Interior	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	43	EA
498	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Bathroom	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	33	EA
499	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Bedroom	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	43	EA
500	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Dining	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	43	EA
501	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Garage	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	34	EA
502	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Hall/Entrance	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	32	EA

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503	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Kitchen	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	67	EA
504	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Living Room	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	60	EA
505	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Office	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	42	EA
506	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Other	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	37	EA
507	ResCFLLighting_v2_2	Residential	Lighting	Fixtures	Energy Star Fixture (Hard wired) - Weighted Average All	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	15	49	EA
508	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Any Exterior - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	3	58	EA
509	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Any Interior - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	20	EA
510	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Bathroom - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	4	16	EA
511	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Bedroom - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	21	EA
512	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Dining - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	21	EA
513	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Garage - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	9	16	EA
514	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Hall/Entrance - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	15	EA
515	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Kitchen - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	32	EA
516	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Living Room - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	29	EA
517	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Office - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	20	EA
518	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Other - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	18	EA

Line #	Reference	Sector	Category	Subcategory	Procost	Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	UOM
								(years)	Site (kwh/yr)	
519	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Weighted Average All - Direct Install	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	23	EA
520	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Any Exterior - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	3	60	EA
521	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Any Interior - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	21	EA
522	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Bathroom - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	4	16	EA
523	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Bedroom - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	21	EA
524	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Dining - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	22	EA
525	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Garage - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	9	17	EA
526	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Hall/Entrance - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	16	EA
527	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Kitchen - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	33	EA
528	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Living Room - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	30	EA
529	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Office - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	21	EA
530	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Other - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	19	EA
531	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Weighted Average All - NEEA Socket Count	Lamp identified through NEEA socket count studies. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	24	EA
532	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs		Energy Star Lamp/Bulb - Any - Retail	Manufacturer, retailer or consumer rebate, coupon, or other incentive. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	16	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
533	ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Any - Direct mail	Documented requested or non-requested mail delivery. Limited to no more than 10 lamps per account per mailing. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	15	EA
534	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _250 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	10	EA
535	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _490 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	19	EA
536	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _840 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	18	EA
537	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1190 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	11	EA
538	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1690 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
539	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _2600 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
540	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _250 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	9	EA
541	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _490 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	19	EA
542	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _840 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	23	EA
543	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1190 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	19	EA
544	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1690 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	33	EA
545	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _2600 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	57	EA
546	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _250 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	12	9	EA
547	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _490 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
548	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _840 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
549	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1190 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
550	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _1690 Lumens	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
551	ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	ENERGYSTAR LED Retail_All Room Types _2600 Lumens Midpoint_Decorative	Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail	0	-	EA
552	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_3-Way	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	20	EA
553	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Dimmable	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	21	EA
554	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_CC Candelabra - decorative	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	12	9	EA
555	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_CC Candelabra - primary	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	12	14	EA
556	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_CFL Candelabra and Torpedo	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	14	EA
557	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Dimmable Reflector	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	24	EA
558	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Globe	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	12	EA
559	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Outdoor	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	32	EA
560	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Reflector	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	24	EA
561	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Retail_Any Specialty CFL	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	17	EA
562	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Direct Install_3-Way	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	25	EA

Line #	Reference	Sector	Category	Subcategory	Procost	Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	UOM
								(years)	Site (kwh/yr)	
563	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Dimmable	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	27	EA
564	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_CC Candelabra - decorative	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	12	11	EA
565	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_CC Candelabra - primary	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	12	18	EA
566	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_CFL Candelabra and Torpedo	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	18	EA
567	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Dimmable Reflector	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	30	EA
568	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Globe	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	6	15	EA
569	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Outdoor	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	5	40	EA
570	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Reflector	Documented direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	8	30	EA
571	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		CFL Direct Install_Any Specialty CFL	Documented requested mail delivery. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	21	EA
572	ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs		Direct Mail_Any Specialty CFL	Documented requested mail delivery. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	16	EA
573	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,062	Home
574	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,077	Home
575	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,105	Home
576	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	995	Home
577	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,010	Home
578	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,038	Home
579	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	13	937	Home

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580	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	952	Home
581	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	980	Home
582	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,044	Home
583	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,059	Home
584	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,094	Home
585	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	980	Home
586	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	12	995	Home
587	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,030	Home
588	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	924	Home
589	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	939	Home
590	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	974	Home
591	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	996	Home
592	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	10	984	Home
593	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	975	Home

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594	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	921	Home
595	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	9	909	Home
596	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	900	Home
597	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	854	Home
598	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	9	842	Home
599	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	833	Home
600	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	25	2,178	Home
601	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	25	2,213	Home
602	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	26	2,250	Home
603	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,475	Home
604	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,510	Home
605	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,547	Home
606	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,848	Home
607	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,883	Home

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608	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,920	Home
609	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,379	Home
610	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,415	Home
611	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,458	Home
612	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,019	Home
613	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,055	Home
614	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,098	Home
615	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,742	Home
616	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778	Home
617	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,821	Home
618	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,001	Home
619	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,013	Home
620	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,015	Home
621	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,025	Home
622	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,037	Home
623	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,039	Home
624	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,116	Home
625	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,128	Home
626	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,130	Home

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
627	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	42	3,543	Home
628	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	43	4,734	Home
629	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	43	5,645	Home
630	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	16	548	Home
631	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	18	599	Home
632	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	22	696	Home
633	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	18	587	Home
634	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	20	639	Home
635	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	23	736	Home
636	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	19	622	Home
637	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	21	673	Home
638	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	24	770	Home
639	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,555	Home
640	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,633	Home
641	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778	Home
642	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,266	Home
643	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,344	Home

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
644	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,489	Home
645	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,710	Home
646	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,787	Home
647	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,932	Home
648	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	13	504	Home
649	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	17	561	Home
650	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	19	609	Home
651	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	11	1,034	Home
652	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	12	1,043	Home
653	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	12	1,053	Home
654	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	11	951	Home
655	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	11	960	Home
656	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	12	970	Home
657	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	11	880	Home
658	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	11	889	Home
659	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	11	899	Home

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
660	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	8	1,162	Home
661	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	7	1,125	Home
662	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	5	1,065	Home
663	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	5	873	Home
664	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	4	836	Home
665	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	0	776	Home
666	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	2	708	Home
667	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	0	671	Home
668	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Heat Pump - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	-4	611	Home
669	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Ceiling Option - Heating Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	17	634	Home
670	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Ceiling Option - Heating Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	22	770	Home
671	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Ceiling Option - Heating Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	24	858	Home
672	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Wall Option - Heating Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	22	781	Home
673	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Wall Option - Heating Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	27	965	Home
674	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Wall Option - Heating Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	29	1,098	Home
675	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Window Option - Heating Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	25	888	Home
676	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Window Option - Heating Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	28	1,065	Home
677	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 3 Star Home in Washington with Zonal Heat - Window Option - Heating Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	30	1,169	Home
678	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 4 Star Home in Washington with Zonal Heat - Heating Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	35	1,863	Home

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
679	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 4 Star Home in Washington with Zonal Heat - Heating Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	38	2,386	Home
680	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 4 Star Home in Washington with Zonal Heat - Heating Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	39	2,763	Home
681	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	12	1,057	Home
682	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	13	1,074	Home
683	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	14	1,114	Home
684	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	13	998	Home
685	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	13	1,015	Home
686	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	14	1,055	Home
687	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	13	947	Home
688	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	14	964	Home
689	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Wall Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	15	1,004	Home
690	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	13	1,094	Home
691	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	14	1,116	Home
692	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	16	1,187	Home
693	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	13	1,025	Home

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
694	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	14	1,047	Home
695	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	16	1,118	Home
696	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	14	988	Home
697	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	15	1,010	Home
698	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Gas Furnace and CAC - Window Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	17	1,081	Home
699	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,474	Home
700	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,478	Home
701	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,496	Home
702	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,193	Home
703	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,215	Home
704	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,027	Home
705	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,031	Home
706	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Wall Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,049	Home
707	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,476	Home

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
708	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,494	Home
709	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,530	Home
710	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,193	Home
711	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,211	Home
712	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,247	Home
713	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,032	Home
714	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,050	Home
715	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Heat Pump - Window Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,086	Home
716	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Zonal Heat - Heating Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	44	3,059	Home
717	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Zonal Heat - Heating Zone 2	Home Must Certified under the Built Green Program and Specifications in Washington State	44	4,091	Home
718	ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Built Green 5 Star Home in Washington with Zonal Heat - Heating Zone 3	Home Must Certified under the Built Green Program and Specifications in Washington State	44	4,886	Home
719	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Gas Furnace - Heating Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	8	1,043	Home
720	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Gas Furnace - Heating Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	8	1,043	Home
721	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Gas Furnace - Heating Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	8	1,043	Home
722	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Electric FAF - Heating Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	26	5,420	Home
723	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Electric FAF - Heating Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	27	6,847	Home

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724	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Electric FAF - Heating Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	27	8,057	Home
725	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	23	3,128	Home
726	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	23	3,172	Home
727	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	23	3,254	Home
728	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	25	4,346	Home
729	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	25	4,390	Home
730	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	25	4,472	Home
731	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	26	5,516	Home
732	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	26	5,560	Home
733	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New Energy Star Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy Star requirements.	26	5,642	Home
734	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Gas Furnace - Heating Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	8	1,043	Home
735	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Gas Furnace - Heating Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	8	1,043	Home
736	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Gas Furnace - Heating Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	8	1,043	Home
737	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Electric FAF - Heating Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	5,691	Home
738	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Electric FAF - Heating Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	27	7,438	Home
739	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Electric FAF - Heating Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	27	8,897	Home
740	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	23	3,411	Home

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741	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	23	3,489	Home
742	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 1 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	24	3,619	Home
743	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	25	4,919	Home
744	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	25	4,997	Home
745	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 2 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	25	5,126	Home
746	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6,372	Home
747	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 2	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6,450	Home
748	NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	New EcoRated Manufactured Home with Heat Pump - Heating Zone 3 Cooling Zone 3	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6,579	Home
749	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 1 - Cooling Zone 1	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	19	860	Home
750	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 1 - Cooling Zone 2	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	22	905	Home
751	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 1 - Cooling Zone 3	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	24	956	Home
752	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 2 - Cooling Zone 1	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	19	859	Home
753	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 2 - Cooling Zone 2	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	22	905	Home
754	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 2 - Cooling Zone 3	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	24	955	Home
755	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 3 - Cooling Zone 1	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	20	875	Home
756	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 3 - Cooling Zone 2	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	22	920	Home

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757	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Gas Heated - Heating Zone 3 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	25	970	Home
758	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 1 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	33	1,199	Home
759	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 1 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	34	1,232	Home
760	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 1 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	36	1,294	Home
761	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 2 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	41	1,537	Home
762	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 2 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	42	1,570	Home
763	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 2 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	43	1,632	Home
764	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 3 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	44	1,713	Home
765	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 3 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	45	1,746	Home
766	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 3 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	46	1,808	Home
767	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 1 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	29	1,060	Home
768	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 1 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	29	1,060	Home
769	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 1 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	29	1,060	Home
770	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 2 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	35	1,266	Home
771	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 2 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	35	1,266	Home
772	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 2 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	35	1,266	Home
773	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 3 - Cooling Zone 1	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	39	1,395	Home
774	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 3 - Cooling Zone 2	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	39	1,395	Home
775	ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Energy Star Multifamily Home - Zonal Electric Heat - Heating Zone 3 - Cooling Zone 3	Home must be certified under the 2013 Northwest Energy Star Homes Program & Specifications	39	1,395	Home

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776	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,062	Home
777	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,077	Home
778	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,105	Home
779	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	995	Home
780	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,010	Home
781	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,038	Home
782	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	13	937	Home
783	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	952	Home
784	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	980	Home
785	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,044	Home
786	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,059	Home
787	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,094	Home
788	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	980	Home
789	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	12	995	Home

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790	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,030	Home
791	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	924	Home
792	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	939	Home
793	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Duct Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	14	974	Home
794	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	996	Home
795	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	10	984	Home
796	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	975	Home
797	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	921	Home
798	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	9	909	Home
799	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	900	Home
800	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	854	Home
801	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	9	842	Home
802	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - DHW Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	833	Home
803	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	25	2,178	Home

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804	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	25	2,213	Home
805	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	26	2,250	Home
806	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,475	Home
807	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,510	Home
808	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2,547	Home
809	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,848	Home
810	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,883	Home
811	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,920	Home
812	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,379	Home
813	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,415	Home
814	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,458	Home
815	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,019	Home
816	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,055	Home
817	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,098	Home
818	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,742	Home
819	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778	Home

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820	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,821	Home
821	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,001	Home
822	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,013	Home
823	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	18	3,015	Home
824	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,025	Home
825	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,037	Home
826	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	21	3,039	Home
827	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,116	Home
828	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,128	Home
829	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	23	3,130	Home
830	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	42	3,543	Home
831	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	43	4,734	Home
832	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Zonal Heat - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	43	5,645	Home
833	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	16	548	Home
834	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	18	599	Home
835	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	22	696	Home
836	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	18	587	Home
837	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	20	639	Home

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838	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	23	736	Home
839	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	19	622	Home
840	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	21	673	Home
841	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and CAC - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	24	770	Home
842	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,555	Home
843	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,633	Home
844	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778	Home
845	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,266	Home
846	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,344	Home
847	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,489	Home
848	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,710	Home
849	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,787	Home
850	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Heat Pump - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,932	Home
851	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	13	504	Home
852	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	17	561	Home
853	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana with Gas Furnace and no CAC - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	19	609	Home
854	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Envelope Option - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,070	Home
855	ResNewSFESStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Envelope Option - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,003	Home

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856	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Envelope Option - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	945	Home
857	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Duct Option - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,067	Home
858	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Duct Option - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,003	Home
859	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - Duct Option - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	947	Home
860	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - DHW Option - Heating Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,042	Home
861	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - DHW Option - Heating Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	12	967	Home
862	ResNewSFStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - DHW Option - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	11	900	Home
863	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	35	3,729	Home
864	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,639	Home
865	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,480	Home
866	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,282	Home
867	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,192	Home
868	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	5,033	Home
869	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,946	Home
870	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,857	Home
871	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington built to the DHP TCO - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,698	Home
872	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,079	Home
873	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	37	4,996	Home
874	EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	4,844	Home

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875	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 2 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	40	7,165	Home
876	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	40	7,082	Home
877	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,930	Home
878	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	40	8,248	Home
879	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	40	8,165	Home
880	EStarNWSFHomes_DHPTco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Energy Star Home in Idaho or Montana built to the DHP TCO - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	40	8,013	Home
881	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 1 - Cooling Zone 1	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	37	8,168	Home
882	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 1 - Cooling Zone 2	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	37	8,066	Home
883	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 1 - Cooling Zone 3	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	36	7,902	Home
884	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 2 - Cooling Zone 1	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	39	10,358	Home
885	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 2 - Cooling Zone 2	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	39	10,261	Home
886	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 2 - Cooling Zone 3	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	38	10,102	Home

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887	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 3 - Cooling Zone 1	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	39	11,411	Home
888	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 3 - Cooling Zone 2	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	39	11,323	Home
889	ResHPMH_v1	Residential	Envelope - New	HPMH	High Performance Manufactured Home - Heating Zone 3 - Cooling Zone 3	Home must be certified under the High Performance Manufactured Home Program. Program must be operated in accordance with the existing Northwest Energy Efficient Manufactured Home quality control and plant inspection process.	39	11,179	Home
890	ResNewSFSlabInsulation_v1_3	Residential	Envelope - New	Insulation	R10 Full Slab Insulation w/R5 Thermal Break - Zone 3, Zonal Electric	Insulation shall extend under full slab and be approved for ground contact. Slab shall have an insulated thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.	70	1,524	Site
891	ResNewSFSlabInsulation_v1_3	Residential	Envelope - New	Insulation	R10 Full Slab Insulation w/R5 Thermal Break - Zone 3, FAF w/o CAC	Insulation shall extend under full slab and be approved for ground contact. Slab shall have an insulated thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.	70	1,617	Site
892	ResNewSFSlabInsulation_v1_3	Residential	Envelope - New	Insulation	R10 Full Slab Insulation w/R5 Thermal Break - Zone 3, FAF w/CAC	Insulation shall extend under full slab and be approved for ground contact. Slab shall have an insulated thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.	70	1,564	Site
893	ResNewSFSlabInsulation_v1_3	Residential	Envelope - New	Insulation	R10 Full Slab Insulation w/R5 Thermal Break - Zone 3, HP - HSPF 7.7	Insulation shall extend under full slab and be approved for ground contact. Slab shall have an insulated thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.	70	811	Site
894	ResNewSFSlabInsulation_v1_3	Residential	Envelope - New	Insulation	R10 Full Slab Insulation w/R5 Thermal Break - Zone 3, HP - HSPF 8.5	Insulation shall extend under full slab and be approved for ground contact. Slab shall have an insulated thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.	70	770	Site
895	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
896	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF

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897	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
898	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
899	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
900	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	0	SF
901	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	22	SF
902	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	14	SF

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903	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	20	SF
904	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	12	SF
905	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
906	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	3	SF
907	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Average Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
908	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
909	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
910	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
911	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
912	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
913	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	0	SF
914	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	30	SF
915	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	20	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
916	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	27	SF
917	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	17	SF
918	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	2	SF
919	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	4	SF
920	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Average Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
921	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
922	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	2	SF
923	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
924	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
925	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
926	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
927	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	37	SF
928	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	25	SF

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929	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	34	SF
930	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	22	SF
931	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	2	SF
932	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	5	SF
933	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Average Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this average heating system measure with the related heating system-specific measures.	25	1	SF
934	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
935	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
936	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
937	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
938	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
939	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
940	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	23	SF
941	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	15	SF

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942	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	21	SF
943	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	13	SF
944	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
945	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	3	SF
946	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Zonal Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
947	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
948	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
949	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
950	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
951	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
952	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
953	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	31	SF
954	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	20	SF

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955	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	28	SF
956	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	18	SF
957	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
958	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	4	SF
959	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Zonal Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
960	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
961	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
962	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
963	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
964	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
965	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
966	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	38	SF
967	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	25	SF

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968	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	35	SF
969	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	22	SF
970	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
971	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	5	SF
972	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Zonal Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
973	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
974	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
975	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
976	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
977	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
978	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
979	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	25	SF
980	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	16	SF

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981	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	22	SF
982	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	14	SF
983	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
984	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	3	SF
985	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Electric FAF Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
986	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
987	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
988	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
989	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
990	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
991	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
992	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	33	SF
993	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	22	SF

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994	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	30	SF
995	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	19	SF
996	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
997	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	5	SF
998	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Electric FAF Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
999	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF

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1000	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
1001	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1002	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1003	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
1004	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1005	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	41	SF
1006	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	27	SF

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1007	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	37	SF
1008	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	24	SF
1009	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
1010	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	6	SF
1011	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Electric FAF Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
1012	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1013	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1014	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1015	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1016	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1017	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1018	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	11	SF
1019	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	8	SF

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1020	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	10	SF
1021	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	7	SF
1022	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1023	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1024	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Heat Pump Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1025	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1026	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1027	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1028	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1029	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1030	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1031	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	18	SF
1032	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	12	SF

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1033	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	17	SF
1034	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	11	SF
1035	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1036	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	2	SF
1037	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Heat Pump Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1038	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-11 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1039	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-0 to R-22 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1040	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Floors - R-11 to R-22 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1041	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1042	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-0 to R-30 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1043	ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured homes. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	0	SF
1044	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	25	SF
1045	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	17	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1046	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	23	SF
1047	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	15	SF
1048	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1049	ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	3	SF
1050	ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Heat Pump Heating System)	Measure shall comply with the RTF Residential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infiltration/exfiltration using blower door. Programs may not combine the use of this heating system-specific measure with the related average heating system measure.	25	1	SF
1051	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1052	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1053	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1054	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1055	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1056	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1057	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1058	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1059	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1060	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1061	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1062	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1063	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1064	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	24	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1065	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	14	SF
1066	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	22	SF
1067	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	12	SF
1068	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1069	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1070	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1071	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1072	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1073	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1074	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1075	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF

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1076	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1077	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1078	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1079	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1080	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1081	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1082	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1083	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	32	SF
1084	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	19	SF
1085	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	30	SF

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1086	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	17	SF
1087	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1088	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1089	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1090	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1091	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1092	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1093	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1094	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1095	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1096	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1097	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF

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1098	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1099	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1100	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1101	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1102	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	39	SF
1103	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	24	SF
1104	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	36	SF
1105	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	20	SF
1106	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	2	SF

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1107	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1108	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1109	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1110	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1111	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1112	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1113	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1114	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1115	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1116	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1117	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1118	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF

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1119	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1120	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1121	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	24	SF
1122	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	14	SF
1123	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	22	SF
1124	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	12	SF
1125	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1126	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1127	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1128	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1129	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1130	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1131	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1132	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1133	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1134	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1135	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1136	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1137	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1138	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1139	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1140	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	32	SF

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1141	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	19	SF
1142	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	30	SF
1143	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	16	SF
1144	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	2	SF
1145	ResWXMLF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Existing window must be double glazed with metal frame.	45	5	SF
1146	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1147	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1148	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1149	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1150	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1151	ResWXMLF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF

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1152	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1153	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1154	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1155	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1156	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1157	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1158	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1159	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	39	SF
1160	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	24	SF
1161	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	36	SF

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1162	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	20	SF
1163	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1164	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1165	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1166	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1167	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1168	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1169	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1170	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1171	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1172	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1173	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF

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1174	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1175	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1176	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1177	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1178	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	24	SF
1179	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	14	SF
1180	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	22	SF
1181	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	12	SF
1182	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF

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1183	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1184	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1185	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1186	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1187	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1188	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1189	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1190	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1191	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1192	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1193	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1194	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1195	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1196	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1197	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Existing window must be single glazed with wood or metal frame.	45	33	SF
1198	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Existing window must be double glazed with metal frame.	45	20	SF
1199	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	30	SF
1200	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	17	SF
1201	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	2	SF
1202	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Existing window must be double glazed with metal frame.	45	5	SF
1203	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1204	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1205	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1206	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1207	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1208	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1209	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1210	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1211	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1212	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1213	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1214	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1215	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1216	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	40	SF

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1217	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	24	SF
1218	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	37	SF
1219	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	21	SF
1220	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1221	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	6	SF
1222	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1223	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1224	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1225	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1226	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1227	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1228	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1229	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1230	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1231	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1232	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1233	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1234	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1235	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	12	SF
1236	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	8	SF
1237	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	12	SF

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1238	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	7	SF
1239	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1240	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	2	SF
1241	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1242	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1243	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1244	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1245	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1246	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1247	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1248	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1249	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF

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1250	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1251	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1252	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1253	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1254	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	21	SF
1255	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	13	SF
1256	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	19	SF
1257	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	12	SF
1258	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF

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1259	ResWXMV_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1260	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1261	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1262	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1263	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1264	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1265	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1266	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1267	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1268	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1269	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1270	ResWXMV_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes. Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF

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1271	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1272	ResWXMf_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1273	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	29	SF
1274	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	18	SF
1275	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	27	SF
1276	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	16	SF
1277	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1278	ResWXMf_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	4	SF
1279	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1280	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1281	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1282	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1283	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1284	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1285	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1286	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1287	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1288	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1289	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1290	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1291	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1292	ResFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	23	SF

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1293	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	13	SF
1294	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	21	SF
1295	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	12	SF
1296	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1297	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1298	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Average Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	0	SF
1299	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1300	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1301	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

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1302	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1303	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1304	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1305	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1306	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1307	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1308	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1309	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1310	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1311	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1312	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	32	SF

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1313	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	19	SF
1314	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	29	SF
1315	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	16	SF
1316	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1317	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	4	SF
1318	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 2 (Average Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1319	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Average Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1320	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1321	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1322	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1323	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1324	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1325	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1326	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1327	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1328	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1329	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1330	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1331	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1332	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Average Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	40	SF

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1333	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	24	SF
1334	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	36	SF
1335	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	21	SF
1336	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1337	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Average Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1338	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 3 (Average Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1339	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11.	45	2	SF
1340	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Zonal Heating System)	Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11.	45	1	SF
1341	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Zonal Heating System)	Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1342	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1343	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1344	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1345	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1346	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1347	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1348	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1349	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1350	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1351	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1352	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	23	SF

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1353	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	14	SF
1354	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	21	SF
1355	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	12	SF
1356	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1357	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1358	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Zonal Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	0	SF
1359	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1360	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1361	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

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1362	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1363	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1364	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1365	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1366	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1367	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1368	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1369	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1370	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1371	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1372	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	32	SF

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1373	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	19	SF
1374	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	29	SF
1375	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	16	SF
1376	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1377	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	4	SF
1378	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 2 (Zonal Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1379	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Zonal Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1380	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1381	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1382	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1383	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1384	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1385	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1386	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1387	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1388	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1389	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1390	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1391	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1392	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	39	SF

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1393	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	23	SF
1394	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	35	SF
1395	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	20	SF
1396	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1397	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Zonal Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1398	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 3 (Zonal Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1399	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1400	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1401	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1402	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1403	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1404	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1405	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1406	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1407	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1408	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1409	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1410	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1411	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1412	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	26	SF

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1413	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	15	SF
1414	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	24	SF
1415	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	13	SF
1416	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1417	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	4	SF
1418	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Electric FAF Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1419	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1420	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1421	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	UOM
							(years)	Site (kwh/yr)	
1422	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1423	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1424	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1425	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1426	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1427	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1428	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1429	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1430	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1431	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1432	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	36	SF

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1433	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	21	SF
1434	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	33	SF
1435	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	18	SF
1436	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1437	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1438	ResSFwx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 2 (Electric FAF Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1439	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Electric FAF Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1440	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1441	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1442	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1443	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1444	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1445	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	4	SF
1446	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1447	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1448	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1449	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1450	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1451	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1452	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	44	SF

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1453	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	27	SF
1454	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	41	SF
1455	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	23	SF
1456	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	3	SF
1457	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Electric FAF Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	6	SF
1458	ResSFwx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 3 (Electric FAF Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1459	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1460	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1461	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1462	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1463	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1464	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1465	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1466	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1467	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1468	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1469	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1470	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1471	ResFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	0	SF
1472	ResFWx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	15	SF

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1473	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	9	SF
1474	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	14	SF
1475	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	8	SF
1476	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1477	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	2	SF
1478	ResSFwx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Heat Pump Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	0	SF
1479	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 2 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1480	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1481	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1482	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1483	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1484	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1485	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1486	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1487	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1488	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1489	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1490	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1491	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1492	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	25	SF

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1493	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	16	SF
1494	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	23	SF
1495	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.	45	14	SF
1496	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	1	SF
1497	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	3	SF
1498	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 2 (Heat Pump Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	0	SF
1499	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Heat Pump Heating System)	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1500	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1501	ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-30 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF

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1502	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1503	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2	SF
1504	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1505	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	3	SF
1506	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-38 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1507	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1508	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1509	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1510	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1511	ResSFwx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	1	SF
1512	ResSFwx_v2_4	Residential	Envelope - Existing	Prime Window or Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal frame.	45	35	SF

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1513	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	22	SF
1514	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	32	SF
1515	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Existing window must be double glazed with metal frame.	45	20	SF
1516	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2	SF
1517	ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Heat Pump Heating System)	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	SF
1518	ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 3 (Heat Pump Heating System)	Change in air change rate must be verified through pre and post measurement of infiltration/exfiltration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Protocol for Determining Reduction in Infiltration Levels and Mechanical Ventilation Requirements for Site Built and Mobile Homes with Verified Air Sealing." Mechanical ventilation systems must be installed in substantial compliance with Appendix T, Part 2 in all homes for which verified reductions in air infiltration/exfiltration are claimed.	45	1	SF
1519	ComRefrigeratorFreezerDecommissioning_v2_3	Residential	Appliances	Freezer Early Retirement and Recycling	Freezer Decommissioning and Recycling	Dealer or Consumer Rebate. Existing freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	6	555	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1520	ComRefrigeratorFreezerDecommissioning_v2_3	Residential	Appliances	Refrigerator Early Retirement and Recycling	Refrigerator Decommissioning and Recycling	Dealer or Consumer Rebate. Existing refrigerator/freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	9	482	EA

Commercial Sector
Fixed Unit Energy Savings Listing
Regional Technical Forum Reference as of April 5, 2013
Avista Biennial Conservation Plan for 2014-2015
Appendix C Working Papers
December 9, 2013

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1	ComClothesWasher_v1_4	Commercial	Equipment	Clothes Washer	Energy Star Commercial Clothes Washer in Laundromat w/MEF 1.80 and higher - Electric DHW & Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 1.80 or higher.	no values available	no values available	EA
2	ComClothesWasher_v1_4	Commercial	Equipment	Clothes Washer	Energy Star Commercial Clothes Washer in Laundromat w/MEF 1.80 and higher - Electric DHW/Gas Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 1.80 or higher.	no values available	no values available	EA
3	ComClothesWasher_v1_4	Commercial	Equipment	Clothes Washer	Energy Star Commercial Clothes Washer in Laundromat w/MEF 1.80 and higher - Gas DHW & Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 1.80 or higher.	no values available	no values available	EA
4	ComClothesWasher_v1_4	Commercial	Equipment	Clothes Washer	Energy Star Commercial Clothes Washer in Laundromat w/MEF 1.80 and higher - Gas DHW & Electric Dryer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications and have an MEF of 1.80 or higher.	no values available	no values available	EA
5	ComDishwasher_v1_1	Commercial	Equipment	Food Service Equipment	Energy Efficient Electric Dishwasher - Low Temp - Electric DHW	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	3,801	EA
6	ComDishwasher_v1_1	Commercial	Equipment	Food Service Equipment	Energy Efficient Electric Dishwasher - High Temp - Electric DHW	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	4,110	EA
7	ComDishwasher_v1_1	Commercial	Equipment	Food Service Equipment	Energy Efficient Electric Dishwasher - Low Temp - Gas DHW	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	517	EA
8	ComDishwasher_v1_1	Commercial	Equipment	Food Service Equipment	Energy Efficient Electric Dishwasher - High Temp - Gas DHW	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	1,700	EA
9	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Solid Door Freezer - Less than 15 cu.ft.	Consumer, Distributor or Manufacturer rebate	-	-	EA
10	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Solid Door Freezer - 15 to 29.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	10	EA
11	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Solid Door Freezer - 30 to 49.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	4	EA
12	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Solid Door Freezer - 50 cu.ft. and greater	Consumer, Distributor or Manufacturer rebate	-	-	EA
13	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Glass Door Freezer - Less than 15 cu.ft.	Consumer, Distributor or Manufacturer rebate	-	-	EA
14	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Glass Door Freezer - 15 to 29.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	46	EA
15	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Glass Door Freezer - 30 to 49.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	146	EA
16	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Glass Door Freezer - 50 cu.ft. and greater	Consumer, Distributor or Manufacturer rebate	12	226	EA
17	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Solid Door Chest Freezer	Consumer, Distributor or Manufacturer rebate	-	-	EA
18	ComFreezer_v3_0	Commercial	Equipment	Freezer	Energy Star Glass Door Chest Freezer	Consumer, Distributor or Manufacturer rebate	12	8	EA
19	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	173	EA
20	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 200 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	421	EA
21	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	592	EA
22	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	804	EA
23	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,000	EA
24	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,182	EA
25	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,350	EA
26	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,502	EA
27	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,640	EA
28	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	133	EA
29	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 200 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	332	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
30	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	370	EA
31	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	492	EA
32	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	600	EA
33	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	693	EA
34	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	771	EA
35	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	889	EA
36	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1600 < 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,008	EA
37	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,127	EA
38	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit < 50 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	56	EA
39	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 50 < 100 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	146	EA
40	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	206	EA
41	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	225	EA
42	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	289	EA
43	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	353	EA
44	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	418	EA
45	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	482	EA
46	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Self-Contained Unit >= 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	546	EA
47	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit < 50 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	35	EA
48	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 50 < 100 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	97	EA
49	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	147	EA
50	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	185	EA
51	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	220	EA
52	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	269	EA
53	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	318	EA
54	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	367	EA
55	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Self-Contained Unit >= 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	416	EA
56	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	394	EA
57	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	601	EA
58	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	765	EA
59	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	885	EA
60	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	940	EA
61	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,111	EA
62	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,282	EA

Line #	Reference	Sector	Category	Subcategory	Procast Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
63	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 1600 < 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,453	EA
64	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,624	EA
65	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	260	EA
66	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 200 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	636	EA
67	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	858	EA
68	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,150	EA
69	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,413	EA
70	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,646	EA
71	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,850	EA
72	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,025	EA
73	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Ice Making Head Unit >= 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,170	EA
74	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	200	EA
75	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 200 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	513	EA
76	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	681	EA
77	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	903	EA
78	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,095	EA
79	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,257	EA
80	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,391	EA
81	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,659	EA
82	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 1600 < 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,881	EA
83	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Ice Making Head Unit >= 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,102	EA
84	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit < 50 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	116	EA
85	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 50 < 100 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	301	EA
86	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	421	EA
87	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	475	EA
88	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	611	EA
89	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	747	EA
90	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	882	EA
91	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,018	EA
92	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Self-Contained Unit >= 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,154	EA
93	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit < 50 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	75	EA
94	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 50 < 100 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	207	EA
95	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 100 < 150 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	313	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
96	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	393	EA
97	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	472	EA
98	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 250 < 300 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	577	EA
99	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 300 < 350 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	682	EA
100	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 350 < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	787	EA
101	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Water Cooled Self-Contained Unit >= 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	892	EA
102	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit < 400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	636	EA
103	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	950	EA
104	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,176	EA
105	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,314	EA
106	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,545	EA
107	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1200 < 1400 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	1,826	EA
108	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,107	EA
109	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1600 < 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,388	EA
110	ComIceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	Consumer, Distributor or Manufacturer rebate	10	2,669	EA
111	ComRefrigeratorFreezerDecommissioning_v2_3	Commercial	Appliances	Freezer Early Retirement and Recycling	Freezer Decommissioning and Recycling	Dealer or Consumer Rebate. Existing freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	6	555	EA
112	ComRefrigeratorFreezerDecommissioning_v2_3	Commercial	Appliances	Refrigerator Early Retirement and Recycling	Refrigerator Decommissioning and Recycling	Dealer or Consumer Rebate. Existing refrigerator/freezer must be at least 10 cu.ft. in capacity, verified as functional. Unit must decommissioned and its components recycled. At this time, no Federal or State laws require that appliance foam be removed and destroyed; however, the shredding and/or landfilling of foam represents a significant source of ODS and GHG emissions that could be avoided through foam recovery.	9	482	EA
113									EA
114	PowerStripsFY10v1_0	Commercial	Equipment	Smart Strips	Smart Power Strips - Commercial (Provisional)	Manufacturer, Dealer or Consumer Rebate	4	100	EA
115									EA
116	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - Less than 15 cu.ft.	Consumer, Distributor or Manufacturer rebate	-	-	EA
117	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - 15 to 29.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	5	EA
118	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - 30 to 49.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	5	EA
119	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - 50 cu.ft. and greater	Consumer, Distributor or Manufacturer rebate	-	-	EA
120	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - Less than 15 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	5	EA
121	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - 15 to 29.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	7	EA
122	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - 30 to 49.9 cu.ft.	Consumer, Distributor or Manufacturer rebate	12	5	EA
123	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - 50 cu.ft. and greater	Consumer, Distributor or Manufacturer rebate	12	27	EA
124	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Chest Refrigerator	Consumer, Distributor or Manufacturer rebate	12	29	EA

Line #	Reference	Sector	Category	Subcategory	Procust Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
125	ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Chest Refrigerator	Consumer, Distributor or Manufacturer rebate	12	181	EA
126	ComCookingConvectionOven_v1_2	Commercial	Equipment	Cooking	Energy Star Full Size Electric Convection Oven	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	1,239	EA
127	ComCookingConvectionOven_v1_2	Commercial	Equipment	Cooking	Energy Star Half Size Electric Convection Oven	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	946	EA
128									EA
129	ComCookingFryer_v1_1	Commercial	Equipment	Cooking	Efficient Electric Fryer	Consumer, Distributor or Manufacturer rebate	12	539	EA
130	ComCookingHotFoodCabinet_v1_0	Commercial	Equipment	Cooking	Efficient Hot Food Holding Cabinet (1/2 Size)	Consumer, Distributor or Manufacturer rebate	12	876	EA
131	ComCookingHotFoodCabinet_v1_0	Commercial	Equipment	Cooking	Efficient Hot Food Holding Cabinet (3/4 Size)	Consumer, Distributor or Manufacturer rebate	12	1,314	EA
132	ComCookingHotFoodCabinet_v1_0	Commercial	Equipment	Cooking	Efficient Hot Food Holding Cabinet (Full Size)	Consumer, Distributor or Manufacturer rebate	12	1,752	EA
						Direct Installations. Existing spray valve must be regularly used every day of business. New spray valve must have a flow of 0.65 gpm or less at 60 psi, tested in accordance with ASTM F2324 - 03.			
					Pre-Rinse Spray Valve Replacement - 0.65 gpm or lower	Spray valve must use hot water heated with an electric water heater.	4	448	EA
133	ComCookingPreRinseSprayValve_v1_1	Commercial	Equipment	All Building Types	Any Bldg Type - Regionwide - Existing valves Baseline				
134	ComCookingSteamer_v1_1	Commercial	Equipment	Cooking	Efficient Electric Steamer (3-Pan)	Consumer, Distributor or Manufacturer rebate	12	888	EA
135	ComCookingSteamer_v1_1	Commercial	Equipment	Cooking	Efficient Electric Steamer (5-Pan)	Consumer, Distributor or Manufacturer rebate	12	1,671	EA
136	ComCookingSteamer_v1_1	Commercial	Equipment	Cooking	Efficient Electric Steamer (6-Pan)	Consumer, Distributor or Manufacturer rebate	12	2,020	EA
137	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 25 gallons, <35 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	48	EA
138	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 35 gallons, <45 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	123	EA
139	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 45 gallons, <55 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	162	EA
140	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 45 gallons, <55 gallons_EF0.94+)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	137	EA
141	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 55 gallons, <75 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	217	EA
142	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 75 gallons, <100 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	204	EA
143	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Residential-type Water Heater (>= 100 gallons, <120 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	167	EA
144	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 25 gallons, <35 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	51	EA
145	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 35 gallons, <45 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	51	EA
146	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 45 gallons, <55 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	87	EA
147	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 55 gallons, <75 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	51	EA
148	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 75 gallons, <100 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	77	EA
149	ComDHWEfficientTank_v1_2	Commercial	Water Heatir	Efficient Tanks	Commercial-type Water Heater (>= 100 gallons, <120 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	102	EA
150	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	140	EA
151	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	179	EA
152	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	222	EA
153	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	111	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
154	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	142	EA
155	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	176	EA
156	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	74	EA
157	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	94	EA
158	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Electric Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	117	EA
159	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	6	EA
160	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	8	EA
161	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	10	EA
162	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	5	EA
163	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	6	EA
164	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	8	EA
165	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	3	EA
166	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	4	EA

Line #	Reference	Sector	Category	Subcategory	Procust Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	UOM
							(years)	Site (kwh/yr)	
167	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Gas Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	5	EA
168	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	92	EA
169	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	117	EA
170	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	146	EA
171	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	73	EA
172	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	93	EA
173	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	115	EA
174	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	48	EA
175	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	62	EA
176	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Any Water Heating_Retail	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	77	EA
177	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	105	EA
178	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	143	EA
179	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	190	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
180	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	83	EA
181	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	114	EA
182	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	151	EA
183	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	55	EA
184	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	76	EA
185	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Electric Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	100	EA
186	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	5	EA
187	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	6	EA
188	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	8	EA
189	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	4	EA
190	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	5	EA
191	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	6	EA
192	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	2	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
193	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	3	EA
194	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_Gas Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	4	EA
195	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	69	EA
196	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	94	EA
197	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	125	EA
198	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	55	EA
199	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	74	EA
200	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	99	EA
201	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	36	EA
202	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	50	EA
203	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Any Water Heating_Mail-by-Request	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	66	EA
204	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	158	EA
205	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	215	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
206	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	285	EA
207	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	125	EA
208	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	170	EA
209	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	226	EA
210	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	83	EA
211	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	113	EA
212	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Electric Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	150	EA
213	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	7	EA
214	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	9	EA
215	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	12	EA
216	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	5	EA
217	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	7	EA
218	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	10	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
219	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	4	EA
220	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	5	EA
221	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Gas Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	6	EA
222	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Hospitality_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	103	EA
223	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Hospitality_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	141	EA
224	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Hospitality_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	187	EA
225	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Health Care_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	82	EA
226	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Health Care_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	112	EA
227	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Health Care_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	148	EA
228	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_2_00gpm_Small Commercial - Employee Shower_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	54	EA
229	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_75gpm_Small Commercial - Employee Shower_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	74	EA
230	ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Commercial Showerhead Replacement_1_50gpm_Small Commercial - Employee Shower_ Any Water Heating_Direct Install	Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	99	EA
231	ComComputers_v1_1	Commercial	Process Ener	Energy Star Computer	Energy Star Desktop Computer	Manufacturer, Dealer or Consumer Rebate. Cost and savings are per computer controlled.	4	73	EA
232	ComGroceryAntiSweatHeaters_v1_0	Third Party Cc	Commercial	Refrigeration	Controls – Anti-Sweat Heat – Low Temp	Energy Smart Grocer Program, implemented by PEI	8	434	EA
233	ComGroceryAntiSweatHeaters_v1_0	Third Party Cc	Commercial	Refrigeration	Controls – Anti-Sweat Heat – Med Temp	Energy Smart Grocer Program, implemented by PEI	8	324	EA
234	ComGroceryAutoCloser_v1_0	Third Party Cc	Commercial	Auto-Closers	Auto-Closers for Glass Reach-in Doors – Freezers	Energy Smart Grocer Program, implemented by PEI	8	560	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
235	ComGroceryAutoCloser_v1_0	Third Party Cc	Commercial	Auto-Closers	Auto-Closers for Glass Reach-in Doors – Coolers	Energy Smart Grocer Program, implemented by PECE	8	373	EA
236	ComGroceryAutoCloser_v1_0	Third Party Cc	Commercial	Auto-Closers	Auto-Closers for Walk-in Freezers	Energy Smart Grocer Program, implemented by PECE	8	2,806	EA
237	ComGroceryAutoCloser_v1_0	Third Party Cc	Commercial	Auto-Closers	Auto-Closers for Walk-in Coolers	Energy Smart Grocer Program, implemented by PECE	8	241	EA
							no values		
238	ComGroceryCompressorECM_v1_0	Third Party Cc	Commercial	Grocery	Compressor Head Fan Motor Retrofit to ECM	Energy Smart Grocer Program, implemented by PECE	available	776	EA
239	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - Low Power LED from T12	Energy Smart Grocer Program, implemented by PECE	6	65	LF
240	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - Low Power LED from T8	Energy Smart Grocer Program, implemented by PECE	6	38	LF
241	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - High Power LED from T12	Energy Smart Grocer Program, implemented by PECE	6	133	LF
242	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - High Power LED from T8	Energy Smart Grocer Program, implemented by PECE	6	81	LF
243	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - Delamp T12	Energy Smart Grocer Program, implemented by PECE	6	100	LF
244	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - Delamp T8	Energy Smart Grocer Program, implemented by PECE	6	74	LF
245	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - LED High Power - New Case	Energy Smart Grocer Program, implemented by PECE	6	62	LF
246	ComGroceryCaseLED_v1_1	Third Party Cc	Commercial	Lighting	Open Case Lights - LED Low Power - New Case	Energy Smart Grocer Program, implemented by PECE	6	28	LF
247	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: T12 to High Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	106	EA
248	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: T12 to Low Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	141	EA
249	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: T8 to High Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	80	EA
250	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: T8 to Low Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	112	EA
251	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: High Power LED (New Case)	EnergySmart and EnergySmart Grocer	5	80	EA
252	ComGroceryDisplayCaseLED_v2_2	Commercial	Lighting	LED	Reach-in Case Lighting: Low Power LED (New Case)	EnergySmart and EnergySmart Grocer	5	112	EA
253	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - Replace T8 in Existing Case - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	104	LF
254	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - Replace T8 in Existing Case - LED power between 4.0 and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	59	LF
255	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - Replace T12 in Existing Case - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	154	LF
256	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - Replace T12 in Existing Case - LED power between 4.0 and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	105	LF
257	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - New Case - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	104	LF
258	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	LED Case Lights - New Case - LED power between 4.0 and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	6	59	LF
259	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	Motion Sensor on LED Case Lights - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	8	14	EA
260	ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc	Commercial	Lighting	Motion Sensor on LED Case Lights - LED power between 4.0 and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECE	8	27	EA
						Must replace a worn or damaged gasket on a reach-in glass door of a low temperature display case. Replacement gaskets must meet the manufacturer's specifications regarding dimensions, materials, attachment method, style, compression, and magnetism. Incentive is based on each door that is equipped with a new gasket. "Low temperature" covers evaporator temperatures below 0°F. Applies to installs after Jan 15, 2009.			
261	ComGroceryDoorGasketReplacement_v1_0	Third Party Cc	Commercial	Gaskets	Gaskets for Reach-in Glass Doors, Low Temp (per door)	Energy Smart Grocer Program, implemented by PECE	15	410	EA
						Must replace a worn or damaged gasket on a reach-in glass door of a medium temperature display case. Replacement gaskets must meet the manufacturer's specifications regarding dimensions, materials, attachment method, style, compression, and magnetism. Incentive is based on each door that is equipped with a new gasket. "Medium temperature" covers evaporator temperatures between 1°F and 35°F. Applies to installs after Jan 15, 2009.			
262	ComGroceryDoorGasketReplacement_v1_0	Third Party Cc	Commercial	Gaskets	Gaskets for Reach-in Glass Doors, Medium Temp (per door)	Energy Smart Grocer Program, implemented by PECE	15	273	EA
						Must replace a worn or damaged gasket on the main insulated solid door of a walk-in cooler. Replacement gaskets must meet the manufacturer's specifications regarding dimensions, materials, attachment method, style, compression, and magnetism. Incentive is based on each door that is equipped with a new gasket. Applies to installs after Jan 15, 2009.			
263	ComGroceryDoorGasketReplacement_v1_0	Third Party Cc	Commercial	Gaskets	Gaskets for Walk-in Cooler – Main Door (per door)	Energy Smart Grocer Program, implemented by PECE	17	361	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
						Must replace a worn or damaged gasket on the main insulated solid door of a walk-in freezer. Replacement gaskets must meet the manufacturer's specifications regarding dimensions, materials, attachment method, style, compression, and magnetism. Incentive is based on each door that is equipped with a new gasket. Applies to installs after Jan 15, 2009.			
264	ComGroceryDoorGasketReplacement_v1_0	Third Party Cc	Commercial	Gaskets	Gaskets for Walk-in Freezer – Main Door (per door)		17	662	EA
265	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,551	EA
266	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,827	EA
267	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,102	EA
268	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	7,653	EA
269	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	10,204	EA
270	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,755	EA
271	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	19,133	EA
272	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	25,510	EA
273	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,724	EA
274	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,586	EA
275	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,448	EA
276	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,172	EA
277	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	6,896	EA
278	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	8,620	EA
279	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,930	EA
280	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	17,240	EA
281	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,295	EA
282	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,943	EA
283	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,590	EA
284	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,885	EA
285	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,180	EA
286	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	6,475	EA
287	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	9,713	EA
288	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,950	EA
289	ComGroceryDisplayCaseECMs_v2_2	Third Party Cc	Commercial	Motors	Display Case Motor: Shaded Pole to ECM	EnergySmart Grocer Program, implemented by PECI	15	477	EA
290	ComGroceryWalkinECM_v1_0	Third Party Cc	Commercial	Refrigeration	Evaporator Motor - Shaded Pole to ECM in Walk-ins	EnergySmart Grocer Program, implemented by PECI	20	1,199	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
291	ComGroceryFHPCSingleCompressor_v1_1	Commercial	Refrigeration	Controls- Floating Head Pressure	Floating Head Pressure - Condensing Unit - Medium Temperature	Head pressure control valve (flood-back control valve) must be installed to lower minimum condensing head pressure from a fixed position (180 psig for R-22) to a saturated pressure equivalent to 70 degrees F or less. Either a balanced-port or electronic expansion valve that is sized to meet the load requirement at a 70 degree condensing temperature must be installed. Alternatively, a device may be installed to supplement refrigeration feed to each evaporator attached to condenser that is reducing head pressure.	15	757	EA
292	ComGroceryFHPCSingleCompressor_v1_1	Commercial	Refrigeration	Controls- Floating Head Pressure	Floating Head Pressure - Condensing Unit - Low Temperature	Head pressure control valve (flood-back control valve) must be installed to lower minimum condensing head pressure from fixed position (180 psig for R-22; 210 psig for R-404a) to a saturated pressure equivalent to 70 degrees F or less. Either a balanced-port or electronic expansion valve that is sized to meet the load requirement at a 70 degree condensing temperature must be installed. Alternatively, a device may be installed to supplement refrigeration feed to each evaporator attached to condenser that is reducing head pressure.	15	855	EA
293	ComGroceryFHPCSingleCompressor_v1_1	Commercial	Refrigeration	Controls- Floating Head Pressure	Floating Head Pressure - Remote Condenser - Medium Temperature	Head pressure control valve (flood-back control valve) must be installed to lower minimum condensing head pressure from fixed position (180 psig for R-22) to a saturated pressure equivalent to 70 degrees F or less. Either a balanced-port or electronic expansion valve that is sized to meet the load requirement at a 70 degree condensing temperature must be installed. Alternatively, a device may be installed to supplement refrigeration feed to each evaporator attached to condenser that is reducing head pressure.	15	473	EA
294	ComGroceryFHPCSingleCompressor_v1_1	Commercial	Refrigeration	Controls- Floating Head Pressure	Floating Head Pressure - Remote Condenser - Low Temperature	Head pressure control valve (flood-back control valve) must be installed to lower minimum condensing head pressure from fixed position (180 psig for R-22; 210 psig for R-404a) to a saturated pressure equivalent to 70 degrees F or less. Either a balanced-port or electronic expansion valve that is sized to meet the load requirement at a 70 degree condensing temperature must be installed. Alternatively, a device may be installed to supplement refrigeration feed to each evaporator attached to condenser that is reducing head pressure.	15	685	EA
295	ComGroceryWalkinCFL_v1_1	Third Party Cc	Commercial	Lighting	CFL for walk-in cooler/freezer	Energy Smart Grocer Program, implemented by PECE	no value given	671	EA
296	ComGroceryWalkinCaseT8_v1_1	Commercial	Commercial	Lighting	Case Lighting T-10/12 to T8, 4 ft	Energy Smart Grocer Program, implemented by PECE	12	239	EA
297	ComGroceryWalkinCaseT8_v1_1	Commercial	Commercial	Lighting	Case Lighting T-10/12 to T8, 5 ft	Energy Smart Grocer Program, implemented by PECE	12	322	EA
298	ComGroceryWalkinCaseT8_v1_1	Commercial	Commercial	Lighting	Case Lighting T-10/12 to T8, 6 ft	Energy Smart Grocer Program, implemented by PECE	12	432	EA
299	ComGroceryWalkinCaseT8_v1_1	Commercial	Commercial	Lighting	Case Lighting T-10 to T8, 8 ft	Energy Smart Grocer Program, implemented by PECE	12	331	EA
300	ComGroceryWalkinCaseT8_v1_1	Commercial	Commercial	Lighting	Hardwired T8 in Walk-in	Energy Smart Grocer Program, implemented by PECE	12	616	EA
301	ComGroceryEvapFanPSCMotor_v1_0	Third Party Cc	Commercial	Refrigeration	Evaporator Motor - Shaded Pole to PSC in Walk-In	Energy Smart Grocer Program, implemented by PECE	20	562	EA
302	ProCost_VerticalNirghtCoversx	Third Party Cc	Commercial	Refrigeration	Evaporator Motor - Shaded Pole to PSC in Display Cases	Energy Smart Grocer Program, implemented by PECE	20	360	EA
303	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	2,551	EA
304	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	3,827	EA
305	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	5,102	EA
306	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	7,653	EA
307	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	10,204	EA
308	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	12,755	EA
309	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	19,133	EA
310	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECE	15	25,510	EA

Line #	Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life	Annual Savings -	
							(years)	Site (kwh/yr)	UOM
311	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,724	EA
312	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,586	EA
313	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,448	EA
314	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,172	EA
315	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	6,896	EA
316	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	8,620	EA
317	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,930	EA
318	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 16 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	17,240	EA
319	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 1.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,295	EA
320	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 1.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,943	EA
321	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 2.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,590	EA
322	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 3.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,885	EA
323	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 4.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,180	EA
324	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 5.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	6,475	EA
325	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 7.5 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	9,713	EA
326	ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 12 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,950	EA
327	ComGroceryStripCurtain_v1_2	Commercial	Refrigeration	Strip Curtains	Strip Curtains - Supermarket - Freezer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	4	443	EA
328	ComGroceryStripCurtain_v1_2	Commercial	Refrigeration	Strip Curtains	Strip Curtains - Supermarket - Cooler	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	4	103	EA
329	ComGroceryStripCurtain_v1_2	Commercial	Refrigeration	Strip Curtains	Strip Curtains - Convenience Store - Freezer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	4	30	EA
330	ComGroceryStripCurtain_v1_2	Commercial	Refrigeration	Strip Curtains	Strip Curtains - Restaurant - Freezer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	4	134	EA
331	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Medium Temp - 1/10-1/20 HP - 2 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	264	EA
332	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Low Temp - 1/10-1/20 HP - 3 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	207	EA
333	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Medium Temp - 16-23 W - 5 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	104	EA
334	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Low Temp - 16-23 W - 7 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	81	EA
335	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Medium Temp - 1/10-1/20 HP - 1 motor per controller	Energy Smart Grocer Program, implemented by PECI	15	264	EA
336	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Low Temp - 1/10-1/20 HP - 1 or 2 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	207	EA
337	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Medium Temp - 16-23 W - 1 to 4 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	104	EA
338	ComGroceryWalkinEvapFanECMController_v1_1	Third Party Cc	Commercial	Refrigeration	Evaporator Fan ECMotor Controller - Walk-In - Low Temp - 16-23 W - 1 to 6 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	81	EA
339	ComGroceryWalkinEvapFanSPController_v1_0	Third Party Cc	Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Medium Temp - 1/10-1/20 HP - 2 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	176	EA

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
340	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Low Temp - 1/10-1/20 HP - 3 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	262	EA
341	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Medium Temp - 16-23 W - 5 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	69	EA
342	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Low Temp - 16-23 W - 7 or more motors/controller	Energy Smart Grocer Program, implemented by PECI	15	103	EA
343	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Medium Temp - 1/10-1/20 HP - 1 motor per controller	Energy Smart Grocer Program, implemented by PECI	15	176	EA
344	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Low Temp - 1/10-1/20 HP - 1 or 2 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	262	EA
345	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Medium Temp - 16-23 W - 1 to 4 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	69	EA
346	ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercial	Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In - Low Temp - 16-23 W - 1 to 6 motors per controller	Energy Smart Grocer Program, implemented by PECI	15	103	EA
347	ComGroceryWalkinCaseDoorRetrofit_v1_0	Third Party	Cc Commercial	Grocery	Walk In Case Door Retrofit	Energy Smart Grocer Program, implemented by PECI	no values available	no values available	EA
348	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control K-12 School Electric heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	84	Unit
349	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control K-12 School Heat pump	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	124	Unit
350	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control K-12 School Gas heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	159	Unit
351	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Large Office/Central HVAC Electric heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	131	Unit
352	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Large Office/Central HVAC Heat pump	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	148	Unit
353	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Large Office/Central HVAC Gas heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	161	Unit
354	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Other/Packaged HVAC Electric heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	99	Unit

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355	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Other/Packaged HVAC Heat pump	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	138	Unit
356	NonResNetCompPwrMgt_v3_0	Commercial	Process Ener	Control of Office Equipment	Networked Computer Control Other/Packaged HVAC Gas heat	Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	172	Unit
357	SmartPlugPowerStrips_v2_0	Commercial	Equipment	Smart Strips	Smart Strip - Commercial Office - Load Sensor	Manufacturer, Dealer or Consumer Rebate	4	100	EA
358	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Red Incandescent Ball Signal with 12 inch Red LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	655	EA
359	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Green Incandescent Ball Signal with 12 inch Green LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	514	EA
360	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Yellow Incandescent Ball Signal with 12 inch Yellow LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	37	EA
361	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Red Incandescent Turn Signal with 12 inch Red LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	936	EA
362	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Green Incandescent Turn Signal with 12 inch Green LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	86	EA
363	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 12 inch Yellow Incandescent Turn Signal with 12 inch Yellow LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	31	EA
364	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Red Incandescent Ball Signal with 8 inch Red LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	368	EA
365	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Green Incandescent Ball Signal with 8 inch Green LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	283	EA
366	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Yellow Incandescent Ball Signal with 8 inch Yellow LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	19	EA
367	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Red Incandescent Turn Signal with 8 inch Red LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	401	EA
368	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Green Incandescent Turn Signal with 8 inch Green LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	111	EA
369	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace 8 inch Yellow Incandescent Turn Signal with 8 inch Yellow LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	6	31	EA
370	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace Large Incandescent Countdown Pedestrian Signal LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	5	1,210	EA
371	ComLEDTrafficSignals_v2_0	Other	Traffic Light	LED Signals	LED Traffic Signals - Replace Small Incandescent Pedestrian Signal with Small Uniform Appearance Countdown Pedestrian Signal LED module	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations. Unit must comply with Energy Star specifications.	5	847	EA
372	ComCookingCombinationOven_v1_2x	Commercial	Equipment	Cooking	Energy Efficient Electric Combination Oven	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12	11,757	EA

Industrial Sector
Fixed Unit Energy Savings Listing
Regional Technical Forum Reference as of April 5, 2013
Avista Biennial Conservation Plan for 2014-2015
Appendix C Working Papers
December 9, 2013

<u>Line #</u>	<u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	<u>Measure Life (years)</u>	<u>Annual Savings - Site (kwh/yr)</u>	<u>UOM</u>
1	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 7.5HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	292	EA
2	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 10HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	384	EA
3	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 15HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	567	EA
4	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 20HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	750	EA
5	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 25HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	980	EA
6	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 30HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	1,053	EA
7	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 40HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	1,232	EA

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8	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 50HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	1,336	EA
9	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 60HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	1,380	EA
10	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 75HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	1,434	EA
11	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 100HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	1,899	EA
12	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 125HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	2,462	EA
13	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 150HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	2,933	EA
14	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 200HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	8	3,888	EA
15	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 250HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	4,824	EA

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16	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 300HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	5,780	EA
17	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 350HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	6,744	EA
18	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 400HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	7,685	EA
19	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 450HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	8,622	EA
20	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 500HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	9	9,580	EA
21	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 600HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	14,689	EA
22	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 700HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	17,065	EA
23	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 800HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	19,461	EA

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24	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 900HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	21,847	EA
25	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1000HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	24,080	EA
26	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1250HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	29,973	EA
27	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1500HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	35,891	EA
28	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1750HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	41,697	EA
29	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2000HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	47,454	EA
30	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2250HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	53,051	EA
31	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2500HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	58,823	EA

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32	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3000HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	70,147	EA
33	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3500HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	81,667	EA
34	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 4000HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	93,334	EA
35	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 4500HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	104,783	EA
36	AgIndGreenMotorRewind_v1_4	Industrial	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 5000HP, Industrial	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	7	116,183	EA

Agricultural Sector
Fixed Unit Energy Savings Listing
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Appendix C Working Papers
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1	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 7.5HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	14	154	EA
2	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 10HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	14	203	EA
3	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 15HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	14	299	EA
4	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 20HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	14	396	EA
5	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 25HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	14	554	EA
6	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 30HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	18	596	EA
7	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 40HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	18	696	EA
8	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 50HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	18	755	EA
9	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 60HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	18	715	EA

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10	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 75HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	17	743	EA
11	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 100HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	17	985	EA
12	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 125HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	17	1,096	EA
13	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 150HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	17	1,306	EA
14	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 200HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	1,731	EA
15	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 250HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	2,739	EA
16	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 300HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	3,282	EA
17	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 350HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	3,829	EA
18	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 400HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	4,364	EA
19	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 450HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	4,896	EA

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20	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 500HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	5,440	EA
21	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 600HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	6,193	EA
22	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 700HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	7,195	EA
23	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 800HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	8,205	EA
24	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 900HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	9,211	EA
25	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1000HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	19	10,192	EA
26	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1250HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	10,590	EA
27	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1500HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	12,681	EA
28	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1750HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	14,732	EA
29	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2000HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	16,766	EA

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30	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2250HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	18,744	EA
31	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2500HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	20,783	EA
32	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3000HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	24,784	EA
33	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3500HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	28,854	EA
34	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 4000HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	32,976	EA
35	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 4500HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	37,021	EA
36	AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 5000HP, Agricultural	Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rebound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.	20	41,049	EA
37	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (5 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	282	EA
38	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (7.5 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	413	EA
39	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (10 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	529	EA
40	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (15 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	646	EA
41	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (20 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	721	EA
42	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (25 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	976	EA
43	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (30 hp)	New Motor must be certified as NEMA "Premium." Manufacturer, Dealer or Consumer rebate.	15	917	EA

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44	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (40 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,378	EA
45	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (50 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,261	EA
46	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (60 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,229	EA
47	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (75 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,131	EA
48	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (100 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,983	EA
49	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (125 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	1,896	EA
50	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (150 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	2,386	EA
51	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (200 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	2,840	EA
52	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (250 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	4,529	EA
53	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (300 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	7,000	EA
54	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (350 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	5,605	EA
55	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (400 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	7,777	EA
56	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (450 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	11,063	EA
57	AgIrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (500 hp)	Manufacturer, Dealer or Consumer rebate. New Motor must be certified as NEMA "Premium."	15	14,289	EA
58	AgStockWateringTank_v1_4x	Agricultural	Other Agricultural Measures	Freeze Resistant Stock Water Tanks/Fountains	Freeze Resistant Stock Water Tanks/Fountains - Heating Zone 1	Direct intall, rebate or other measure cost buydown. Electric resistance stock tank heater must be removed or permantly disabled. Tank and installation must meet RTF specifications for Freeze Resistant Stock Fountains.	10	900	EA
59	AgStockWateringTank_v1_4x	Agricultural	Other Agricultural Measures	Freeze Resistant Stock Water Tanks/Fountains	Freeze Resistant Stock Water Tanks/Fountains - Heating Zone 2	Direct intall, rebate or other measure cost buydown. Electric resistance stock tank heater must be removed or permantly disabled. Tank and installation must meet RTF specifications for Freeze Resistant Stock Fountains.	10	1,100	EA
60	AgStockWateringTank_v1_4x	Agricultural	Other Agricultural Measures	Freeze Resistant Stock Water Tanks/Fountains	Freeze Resistant Stock Water Tanks/Fountains - Heating Zone 3	Direct intall, rebate or other measure cost buydown. Electric resistance stock tank heater must be removed or permantly disabled. Tank and installation must meet RTF specifications for Freeze Resistant Stock Fountains.	10	1,500	EA

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61	AgDairyVFD_v1_2	Agriculture	Process Energy	Dairy Equipment & Systems	Variable Frequency Drives on Dairy Milking Machines - 10 hp or less	Manufacturer, Dealer or Consumer Rebate. Motor Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	900	EA
62	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 5 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	5,000	EA
63	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 10 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	10,000	EA
64	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 15 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	15,000	EA
65	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 20 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	20,000	EA
66	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 25 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	25,000	EA
67	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 30 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	30,000	EA
68	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 35 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	35,000	EA
69	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 40 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	40,000	EA
70	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 45 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	45,000	EA
71	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 50 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	50,000	EA
72	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 55 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	55,000	EA
73	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 60 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	60,000	EA
74	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 65 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	65,000	EA
75	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 70 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	70,000	EA
76	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 75 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	75,000	EA
77	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 80 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	80,000	EA
78	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 85 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	85,000	EA
79	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 90 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	90,000	EA
80	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 95 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	95,000	EA
81	AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 100 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	100,000	EA

